Serviceanweisung
Service manual

Midi 3800

WICHTIGER HINWEIS/IMPORTANT NOTE

Der integrierte CD-Spieler arbeitet mit unsichtbarem Laserlicht.

Nicht in den Strahl blicken und sich nicht dem Strahl aussetzen!

Vorsicht, Laserstrahlung im Inneren des Gerätes!

Zur Vermeidung von Strahlungsschäden darf das Gehäuse nur von qualifiziertem Fachpersonal geöffnet werden.

Informationsetikett auf der Geräterückseite (siehe Bild).

The integrated CD-Player works with invisible laser-light.

Do not look into this beam and don't abandon yourself to radiation.

Attention, laser-radiation also inside of the unit!

To avoid damages of radiation unit should be opened only by qualified service personnel.

Information label on the rear of unit (see picture).

VAROITUS!

Suojakoteloa ei saa avata. Laite sisältää laserdiodin, joda lähettää näkymäntöntä silmille vaarallista lasersäteilyä.

VARO!

Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

LASER KLASSE 1

Laser $\lambda = 780$ nm
$P_{max} = 0{,}5$ mW

CLASS 1 LASER PRODUCT

Laser $\lambda = 780$ nm
$P_{max} = 0{,}5$ mW

LUOKAN 1 LASERLAITE

KLASS 1 LASER APPARAT

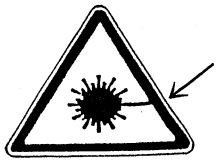
Warnetikett in dem Plattenfach (siehe Bild).

Warning label in record-drawer (see picture).

UNSICHTBARE LASERSTRAHLUNG NICHT DEM STRAHL AUSSETZEN LASER KLASSE 3 B

CAUTION
INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

ADVARSAL:
Usynlig laserstråling ved åbning når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling.



Austrittsöffnung für Laserstrahlung
Discharge orifice for Laser radiation

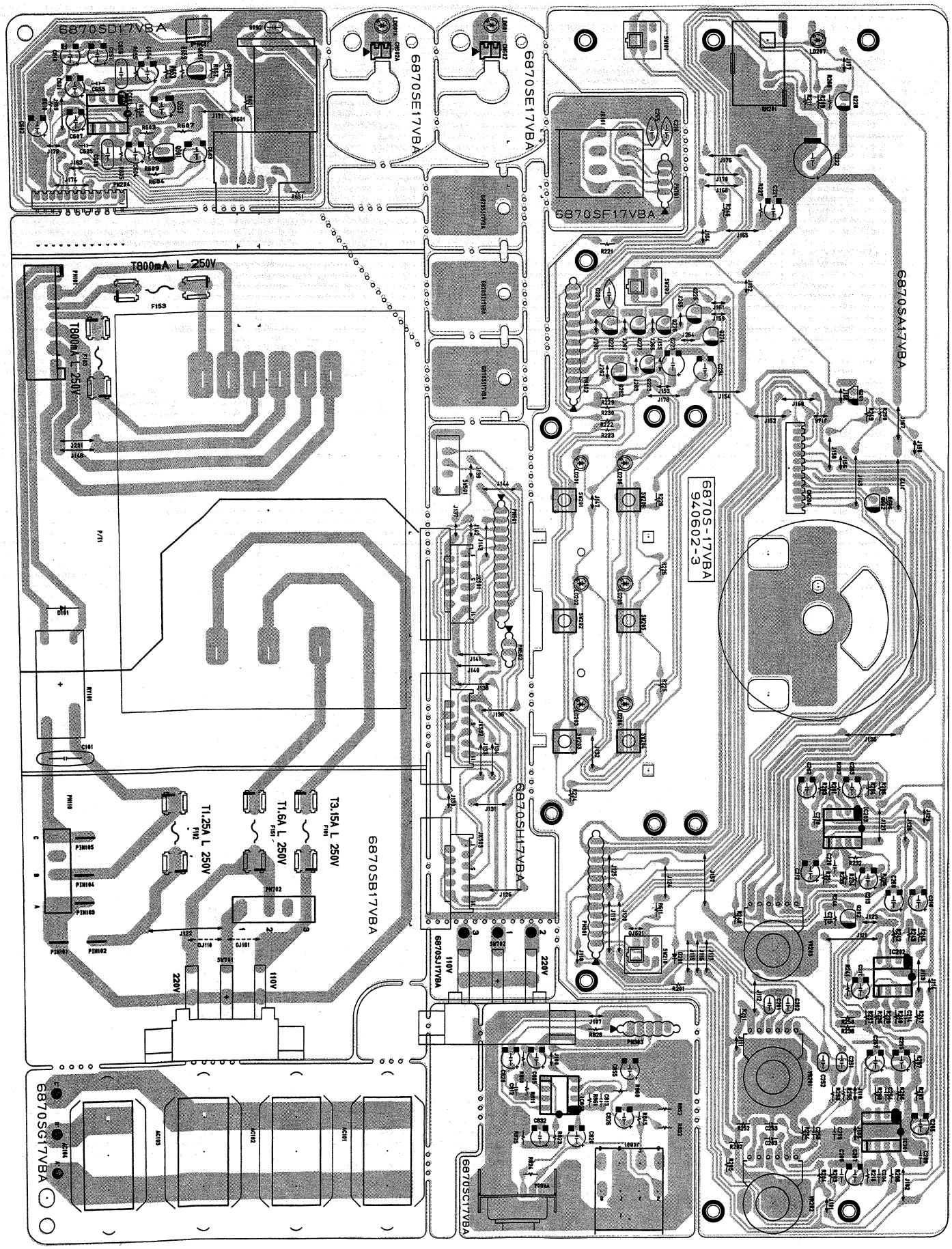
Hinweis für Original-Etikett:
Schrift und Umrandung schwarz, Untergrund gelb.

Indication for original label:
Letters and surrounding black, background yellow.

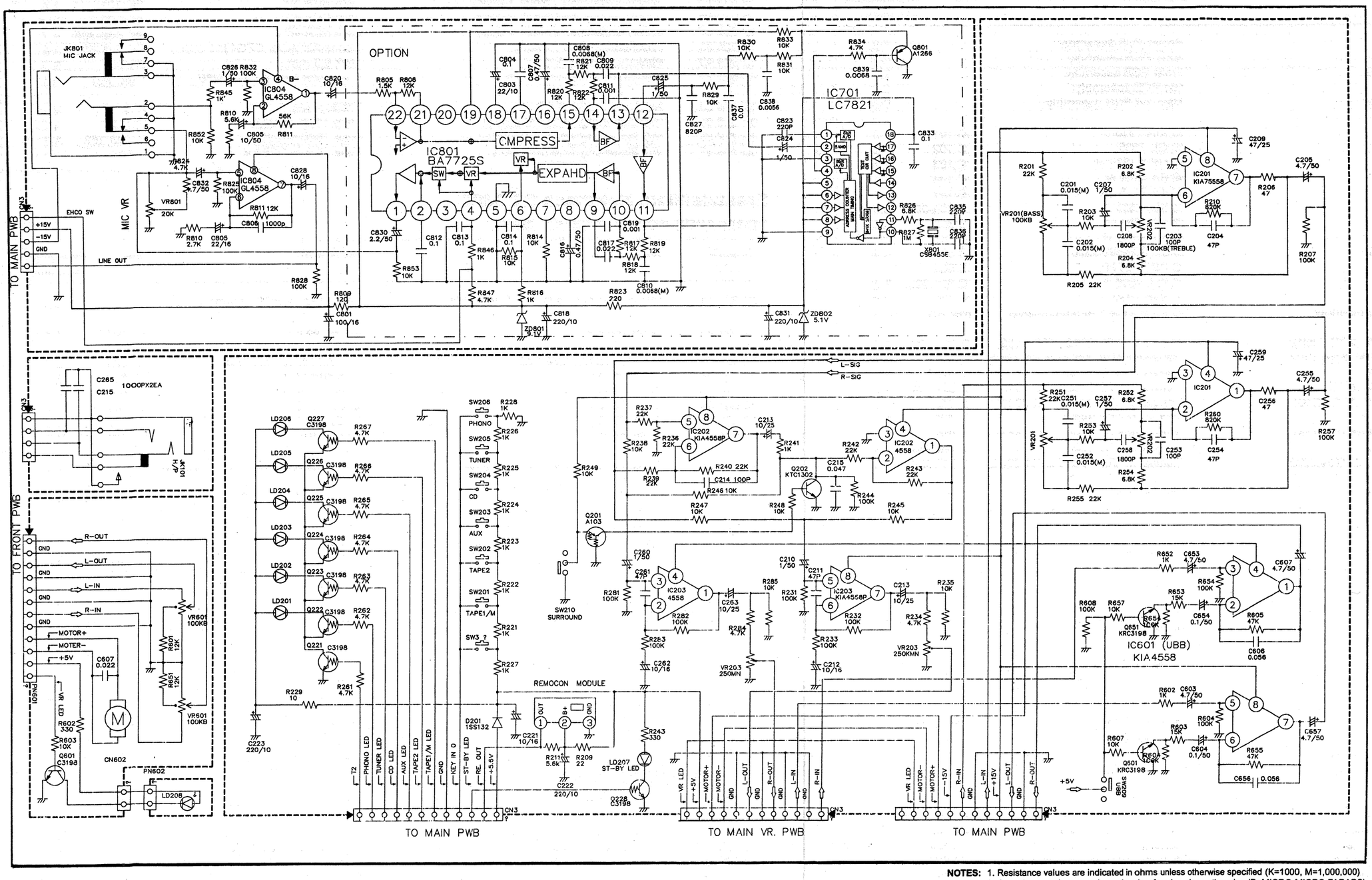
Diese Service-Unterlage wurde ausschließlich für autorisiertes Fachpersonal erstellt.
Für Eingriffe durch nicht autorisierte Personen übernimmt der Hersteller keine Haftung.

This service manual was only made for authorized specialists.
For interventions by not authorized persons producer doesn't take possession of liability.

Platinendarstellungen CV 3800
P.C.B. diagrams CV 3800



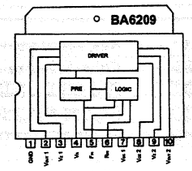
Schaltbild CV 3800
Schematic diagram CV 3800



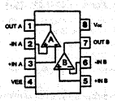
NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K=1000, M=1,000,000)
2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS)

IC Blockschaltbilder
IC block diagrams

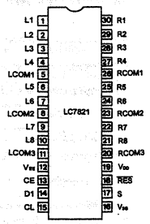
BA6209 (Reversible Motor Driver)

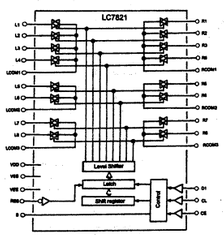


KIA4558P (Low Noise Operational Amplifier)

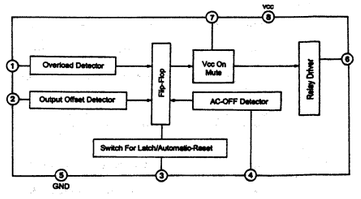


LC7821 (Analog Switch)





μPC1237HA



Ersatzteilliste elektrisch CV 3800
Spare parts list electrical CV 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 35	Netzteilplatine kpl.	Power PCB assembly		F 2
12 924 36	Grundplatine kpl.	Main PCB assembly		G 0
12 924 37	Bedienteilplatine kpl.	Front PCB assembly		E 8
12 924 38	Platine Mikrofon	Mic PCB assembly		C 6
12 924 39	Platine Volumeregler	Main VR PCB assembly		D 9
12 922 48	IC KIA 7815 P	IC KIA 7815 P	IC 101	A 3
12 842 90	IC GL 7805	IC GL 7805	IC 102	A 2
12 820 07	IC UPC 1237 H	IC UPC 1237 H	IC 103	A 8
00 604 82	IC BA 6209 N	IC BA 6209 N	IC 104	B 5
12 924 40	IC KA 7915 ST	IC KA 7915 ST	IC 151	A 8
12 923 89	IC KIA 4558 P	IC KIA 4558 P	IC 201-301	B 0
00 658 72	IC LC 7821 N	IC LC 7821 N	IC 302	B 9
12 923 89	IC KIA 4558 P	IC KIA 4558 P	IC 303	B 0
12 924 41	IC LC 86008A-5220	IC LC 86008A-5220	IC 501	D 8
12 890 29	IC PST 529 H	IC PST 529 H	IC 502	A 7
12 923 89	IC KIA 4558 P	IC KIA 4558 P	IC 601,803	B 0
00 576 96	IC STK 4192 II	IC STK 4192 II	IC 701	D 4
12 924 42	IC KRM 91 MP IR-Empfänger	IC KRM 91 MP remote receiver	RM 201	C 4
00 655 66	Transistor KTC 3202 (KTC 1959)	Transistor KTC 3202 (KTC 1959)	Q 101,102	A 2
00 573 21	Transistor KRA 103 M (KRA 2203)	Transistor KRA 103 M (KRA 2203)	Q 201	A 4
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 202	A 3
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 221-701	A 3
00 585 21	Transistor KTC 3200 (KTC 2240)	Transistor KTC 3200 (KTC 2240)	Q 702	A 3
12 820 54	Transistor KTA 949 Y	Transistor KTA 949 Y	Q 703	A 1
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 705	A 3
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 706,756	A 3
00 573 21	Transistor KRA 103 M (KRA 2203)	Transistor KRA 103 M (KRA 2203)	Q 707,708	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 709,751	A 3
00 585 21	Transistor KTC 3200 (KTC 2240)	Transistor KTC 3200 (KTC 2240)	Q 752	A 3
00 573 25	Transistor KTC 3205 (KTC 2236 A)	Transistor KTC 3205 (KTC 2236 A)	Q 801	A 6
00 112 39	Diode 1 N 4002	Diode 1 N 4002	D 101	A 2
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 104	A 0
12 890 25	Brückengleichrichter PBPC 604	Diode bridge PBPC 604	D 105	B 1
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 106-117	A 0
12 890 26	Brückengleichrichter PB 151 M	Diode bridge PB 151 M	D 155	A 5
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 201-705	A 0
00 034 03	Diode 1 N 4001	Diode 1 N 4001	D 706	A 7
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 707-805	A 0
00 482 78	Zenerdiode MTZ 5,1 V	Diode zener MTZ 5.1 V	ZD 101	A 1
00 406 79	Zenerdiode MTZ 6,2 V	Diode zener MTZ 6.2 V	ZD 801	A 1
12 823 77	LED SLR 34 URC - rot	LED SLR 34 URC - red	LD 201-601	A 0
00 466 53	Drossel 10 mH	Inductor 10 mH	L 501,551	B 7
12 866 47	Drossel 3,2 uH	Coil choke RF 3.2 uH	L 701-751	A 4
12 924 43	Keramikfilter CST 12 MTW	Filter ceramic CST 12 MTW	X 501	A 9
12 924 44	Relais VS-12MBU-5 (Standby)	Relay VS-12MBU-5	RY 101	C 5
12 924 45	Relais DH24D2-OS (LS)	Relay DH24D2-OS	RY 102	C 6
12 891 55	Drehwiderstand Bass/Treble	Resistor variable Bass/Treble	VR 201,202	B 4
12 891 51	Drehwiderstand Balance	Resistor variable Balance	VR 203	B 4
12 924 46	Drehwiderstand Volume	Resistor variable Volume	VR 601	C 9
12 924 47	Drehwiderstand Mic Volume	Resistor variable Mic Volume	VR 804	B 3
00 656 09	Metox 56 Ohm/1 Watt	Metox 56 Ohm/1 Watt	R 101	A 1
00 403 72	Metox 1k2/1 Watt	Metox 1k2/1 Watt	R 110,160	A 1
00 319 17	Metox 100 Ohm/0,5 Watt	Metox 100 Ohm/0.5 Watt	R 707,708	A 0
12 894 90	Zementwiderstand 0,22 Ohm/3 Watt	Cement resistor 0.22 Ohm/3 Watt	R 712,762	A 4
00 349 50	Metox 2k2/1 Watt	Metox 2k2/1 Watt	R 805	A 1
12 924 48	Taster SPH122A - Netz	Switch unipush SPH122A	SW 101	B 0
12 912 40	Taster EVQ 114	Tact switch EVQ 114	SW 201-206	A 1
12 923 73	Schalter SPPH121AP013 - Surround/Bass	Switch push power	SW 209,210	B 1
00 609 58	Schiebeschalter 2-fach	Switch slide	SW 501	A 6

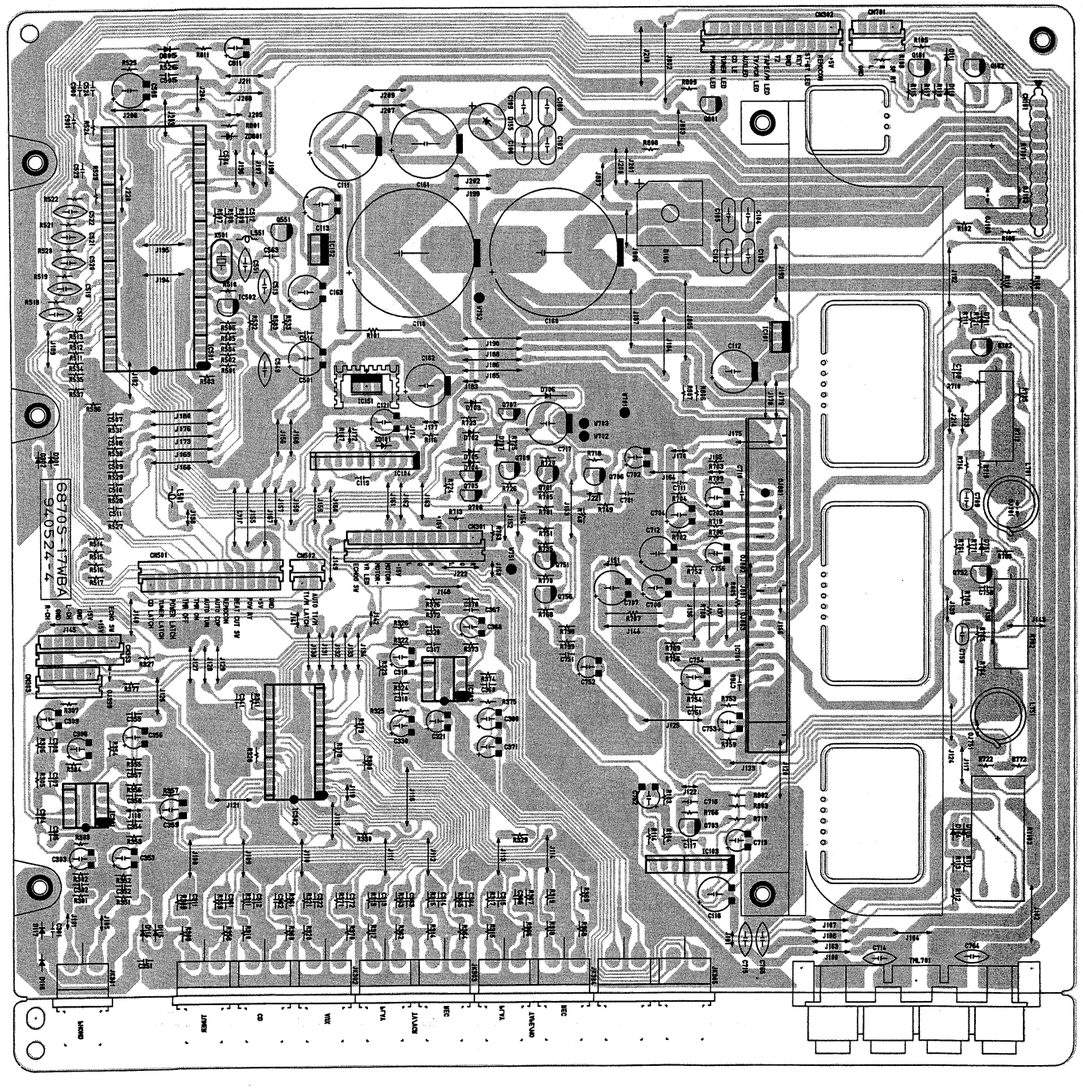
Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 866 96	Anschlussbuchse AC extern	Concent	AC 101-104	C 0
12 924 49	Klinkenbuchse 6,3 mm	Jack 6.3 mm	JK 101	B 5
12 923 72	Anschlussbuchse Chinch 2-polig	Jack RCA 2P	JK 301	A 4
12 890 34	Anschlussbuchse Chinch 6-polig	Jack RCA 6P	JK 302	B 1
12 867 07	Anschlussbuchse Chinch 4-polig	Jack RCA 4P	JK 303-305	A 7
12 894 85	Anschlussbuchse 11-polig	Connector wafer CFG1111-0101	JK 501-503	A 8
12 924 49	Klinkenbuchse 6,3 mm	Jack 6.3 mm	JK 801	B 5
00 582 21	Klemmanschluss LS 4-fach	Connector terminal SP-026B	TML 701	A 7
12 924 50	Netztrafo CV 3800 RC	Trans power	P 1	E 8
00 012 04	IEC Sicherung T1,25 mA/250 V	Fuse T1.25 mA/250 V	F 102	A 2
00 222 53	IEC Sicherung T800 mA/250 V	Fuse T800 mA/250 V	F 103,153	A 2
00 108 47	IEC Sicherung T1,6 mA/250 V	Fuse T1.6 mA/250 V	F 151	A 1

Ersatzteilliste elektrisch CT 3800
Spare parts list electrical CT 3800

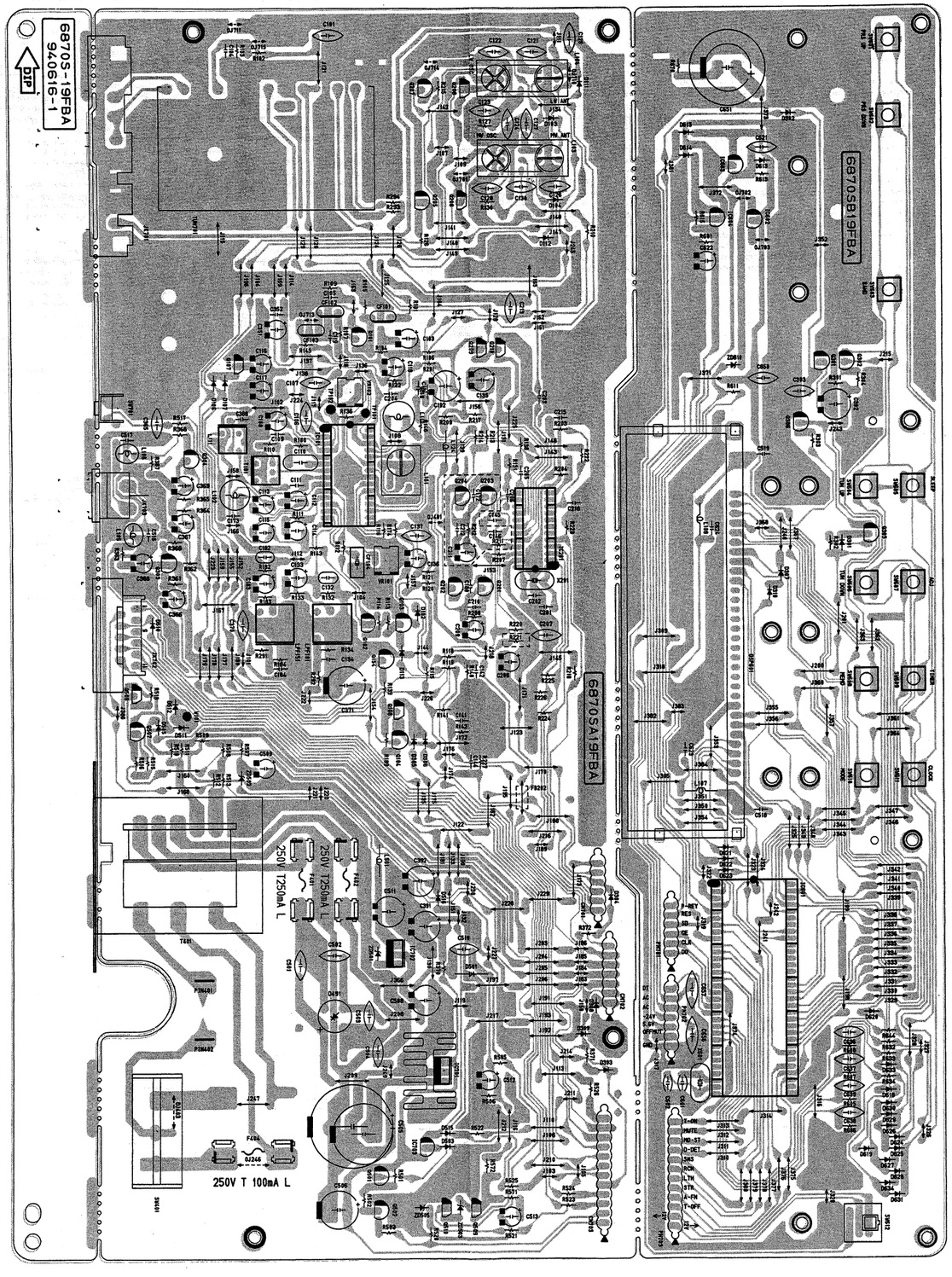
Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 64	Grund-/Bedienteilplatine CT 3800 RS	Main-/display PCB assembly		G 4
12 897 90	IC LA 1851 N	IC LA 1851 N	IC 101	B 8
00 584 45	IC LC 7218	IC LC 7218	IC 201	A 5
12 924 65	IC UPD 75212 ACW-A32	IC UPD 75212 ACW-A32	IC 601	E 1
12 891 34	IC S 8052 ALB	IC S 8052 ALB	IC 602	B 4
12 890 29	IC PST 529 H	IC PST 529 H	IC 604	A 7
00 656 04	IC GL 7812	IC GL 7812	IC 701	A 9
12 924 66	IC GL 7915	IC GL 7915	IC 702	B 3
12 924 67	IC KE 7805	IC KE 7805	IC 703	B 7
12 891 26	Transistor KTC 3192 (KTC 380 TM)	Transistor KTC 3192 (KTC 380 TM)	Q 101	A 0
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 102,103	A 3
12 710 72	Transistor 2 SC 2878 B	Transistor 2 SC 2878 B	Q 104,154	A 1
12 924 68	Transistor KRA 102 M (KRA 2202)	Transistor KRA 102 M (KRA 2202)	Q 106,206	A 3
12 923 64	Transistor KRC 110 M (KRC 1210)	Transistor KRC 110 M (KRC 1210)	Q 107	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 201-207	A 3
12 924 68	Transistor KRA 102 M (KRA 2202)	Transistor KRA 102 M (KRA 2202)	Q 208,209	A 3
12 923 64	Transistor KRC 110 M (KRC 1210)	Transistor KRC 110 M (KRC 1210)	Q 210,301	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 302-306	A 3
00 655 64	Transistor KTA 1266 (KTA 1015)	Transistor KTA 1266 (KTA 1015)	Q 501	A 3
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 502,507	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 506	A 4
12 837 00	Transistor DTC 114 TS	Transistor DTC 114 TS	Q 509,510	A 3
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 102-301	A 0
12 890 26	Brückengleichrichter PB 151 M	Diode bridge PB 151 M	D 491	A 5
00 034 03	Diode 1 N 4001	Diode 1 N 4001	D 501	A 7
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 503-633	A 0
00 656 07	Zenerdiode MTZ 9,1 V	Diode zener MTZ 9.1 V	ZD 501,610	A 2
00 349 89	Zenerdiode MTZ 6,8 V	Diode zener MTZ 6.8 V	ZD 502,503	A 2
00 482 78	Zenerdiode MTZ 5,1 V	Diode zener MTZ 5.1 V	ZD 505	A 1
12 845 03	Quarz 7,2 MHz	Crystal 7.2 MHz	X 201	A 8
00 585 33	Quarz 4,1943 MHz	Crystal 4.1943 MHz	X 601	A 6
12 833 51	Keramikfilter SFE 10,7 MS3GH	Filter ceramic SFE 10.7 MS3GH	CF 101-103	A 7
12 923 65	Keramikschwingkreis CSB 456 F15	Ceramic resonator CSB 456 F15	CF 104	A 5
12 867 23	Filter Falle MPX 19k, 38k	Coil trap FM MPX filter 19k, 38k	LPF 101,151	B 1
12 923 66	Filter FM PCFMA-157	Coil FM PCFMA-157	L 101	B 5
12 923 67	Oszillatorspule MW RBW07VB-K5004	Coil oscillator MW	L 103	C 8
12 923 68	Oszillatorspule LW RBW07VB-K0003	Coil oscillator LW	L 104	C 8
12 833 68	Drossel 47 uH	Inductor 47 uH	L 105,106	A 4
00 466 53	Drossel 10 mH	Inductor 10 mH	L 124	B 7
12 923 69	Diskriminator FM 7	Discriminator FM 7	T 101	A 7
12 923 70	Elko Senderspeicher 1 F/5,5 V	Capacitor gold 1 F/5.5 V	C 651	D 0
00 608 34	Trimmpoti 4,7 kOhm	SFR 4.7 kOhm	VR 101	A 7
00 296 22	Trimmpoti 22 kOhm	SFR 22 kOhm	VR 102	A 3

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 923 71	Anschlussbuchse Antenne FM/MW	Connector terminal ant SP-035A	JK 701	B 5
12 894 85	Anschlussbuchse 11-polig	Connector wafer CFG1111-0101	JK 702	A 8
12 923 72	Anschlussbuchse Chinch 2-polig	Jack RCA 2P	JK 703	A 4
12 912 40	Taster SKHV 10908 A	Tact switch SKHV 10908 A	SW 601-611	A 1
12 923 73	Schalter SPPH121AP013 - Netz	Switch push power	SW 612	B 1
00 702 76	Taster Reset	Switch special JTP-1236A	SW 701	A 3
12 923 74	LCD Display Tuner	Display tuner 10BT-98GK	DSP 601	E 5
12 891 16	FM Tuner FE 407-G60	Tuner radio FE 407-G60	TUN 701	F 1
12 923 75	Netztrafo CT 3800 RS	Trans power	T 401	D 3
00 066 04	IEC Sicherung T250 mA/250 V	Fuse T250 mA/250 V	F 401,402	A 2

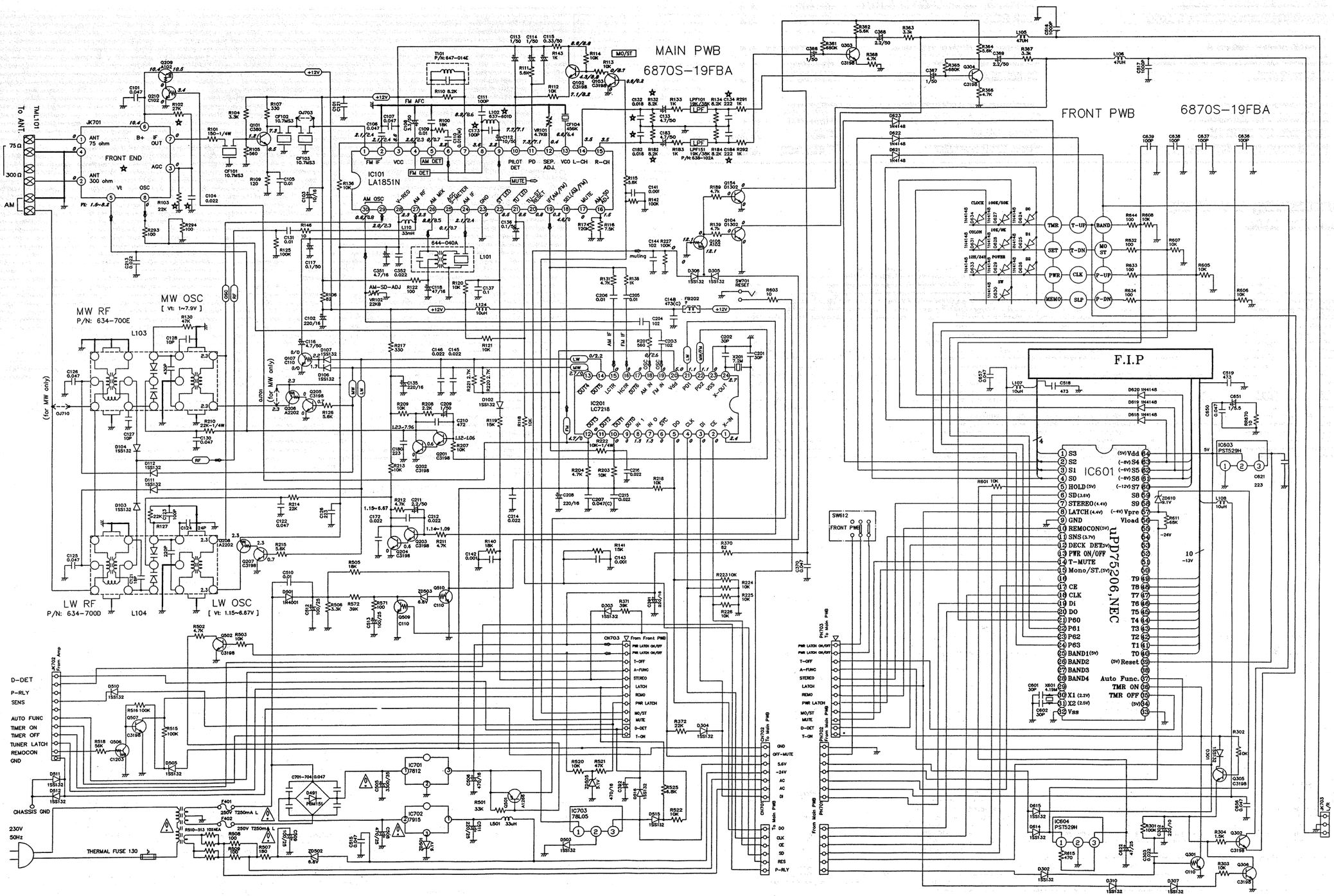
Platinendarstellung CV 3800
P.C.B. diagram CV 3800



Platinendarstellungen CT 3800
P.C.B. diagrams CT 3800



Schaltbild CT 3800
Schematic diagram CT 3800



NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K=1,000 , M=1,000,000).
2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS).

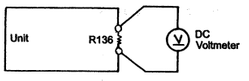
Abgleichanweisung CT 3800
Adjustment procedure CT 3800

This set has been aligned at the factory and normally will not require further adjustment. As a result, it is not recommended that any attempt is made to modificate any circuit if any parts are replaced or if anyone tampers with the adjustment, realignment may be necessary.

1. FM IF ADJUSTMENT

1) As The Distortion Meter Is Not Used

DC Voltmeter ····· Connect to both side of the R136.

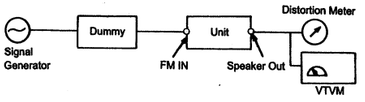


Step	Frequency	Adjust For	Adjustment
1	98MHz	DC 0V±10mV	T101
2	Repeat step 1 several times.		

Figure 1. FM IF Adjustment Connection Diagram

2) As The Distortion Meter Is Used

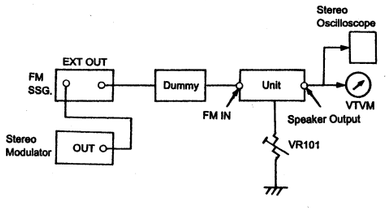
Signal Generator..... Connect to FM Antenna Terminal through the dummy.
(Adjust for the output of the generator to be 60dB at this time.)
VTVM..... Connect to the speaker terminal.
(Adjust for the indication of the VTVM to be 2V with volume.)
Distortion Meter ..... Connect to the speaker terminal.
(Rotate the T101 until the distortion meter is less than 0.3%.)



Frequency	Adjust For	Adjustment
98MHz	Minimum T.H.D.	T101

Figure 2. FM IF Adjustment Connection Diagram

2. FM MPX ADJUSTMENT



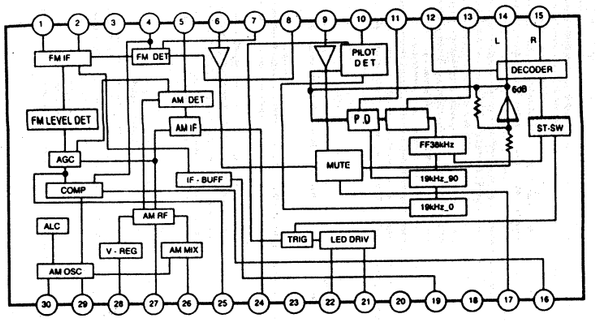
Pilot Signal	Adjust For	Adjustment
ON	Difference of R and L must be maximum.	VR101

NOTE: In case of adjusting the stereo separation, if input is L (or R) channel, R (or L) channel must be maximum.

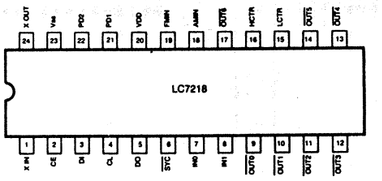
Figure 3. FM MPX Adjustment Connection Diagram

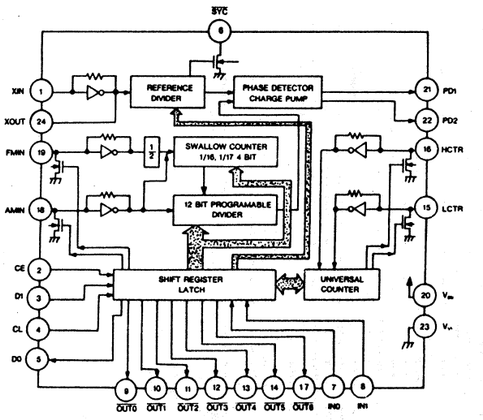
IC Blockschaltbilder CT 3800
IC block diagrams CT 3800

IC101 LA1851N

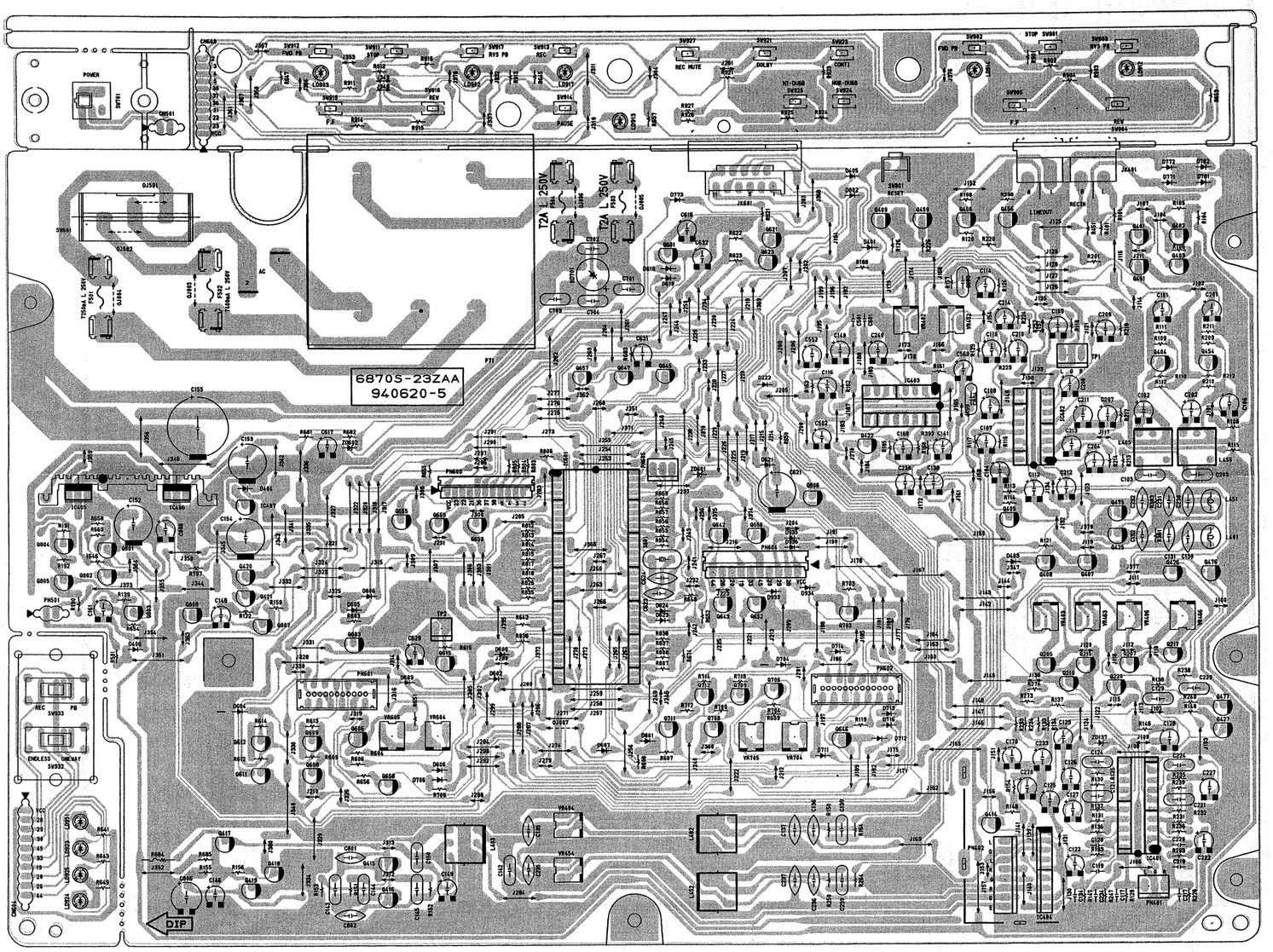


IC201 LC7218

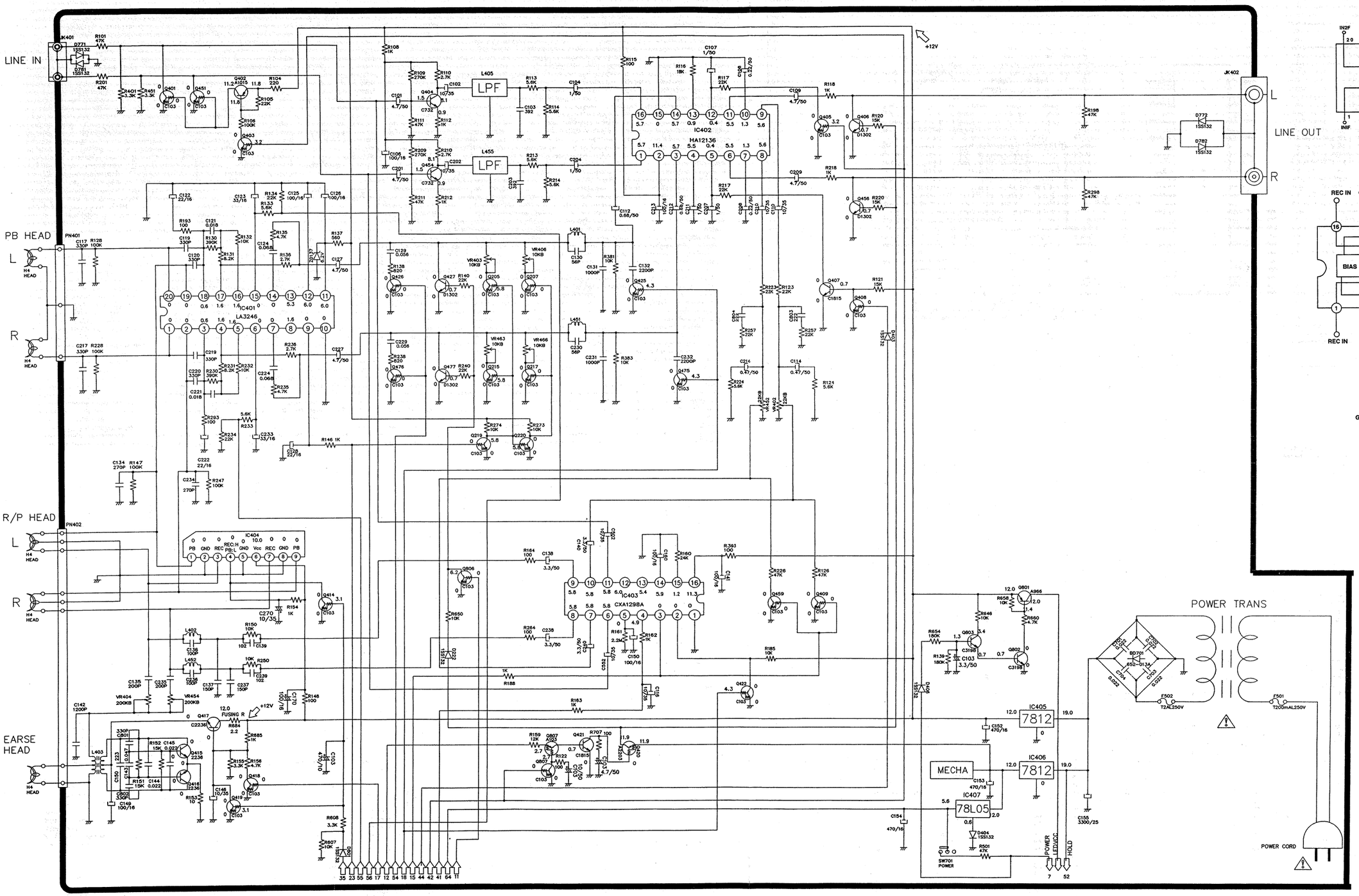




Platinendarstellung CC 3800
P.C.B. diagrams CC 3800

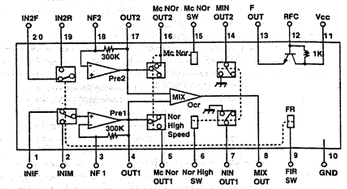


Schaltbild Analog CC 3800
Schematic diagram analog CC 3800

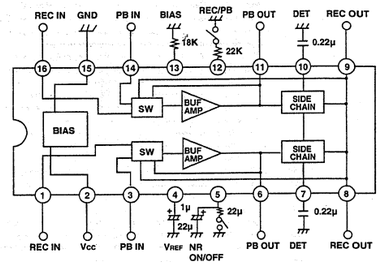


IC Blockschaltbilder
IC block diagrams

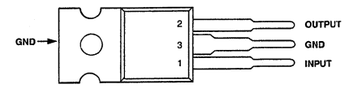
IC401 LA3246 (Pre Amp)



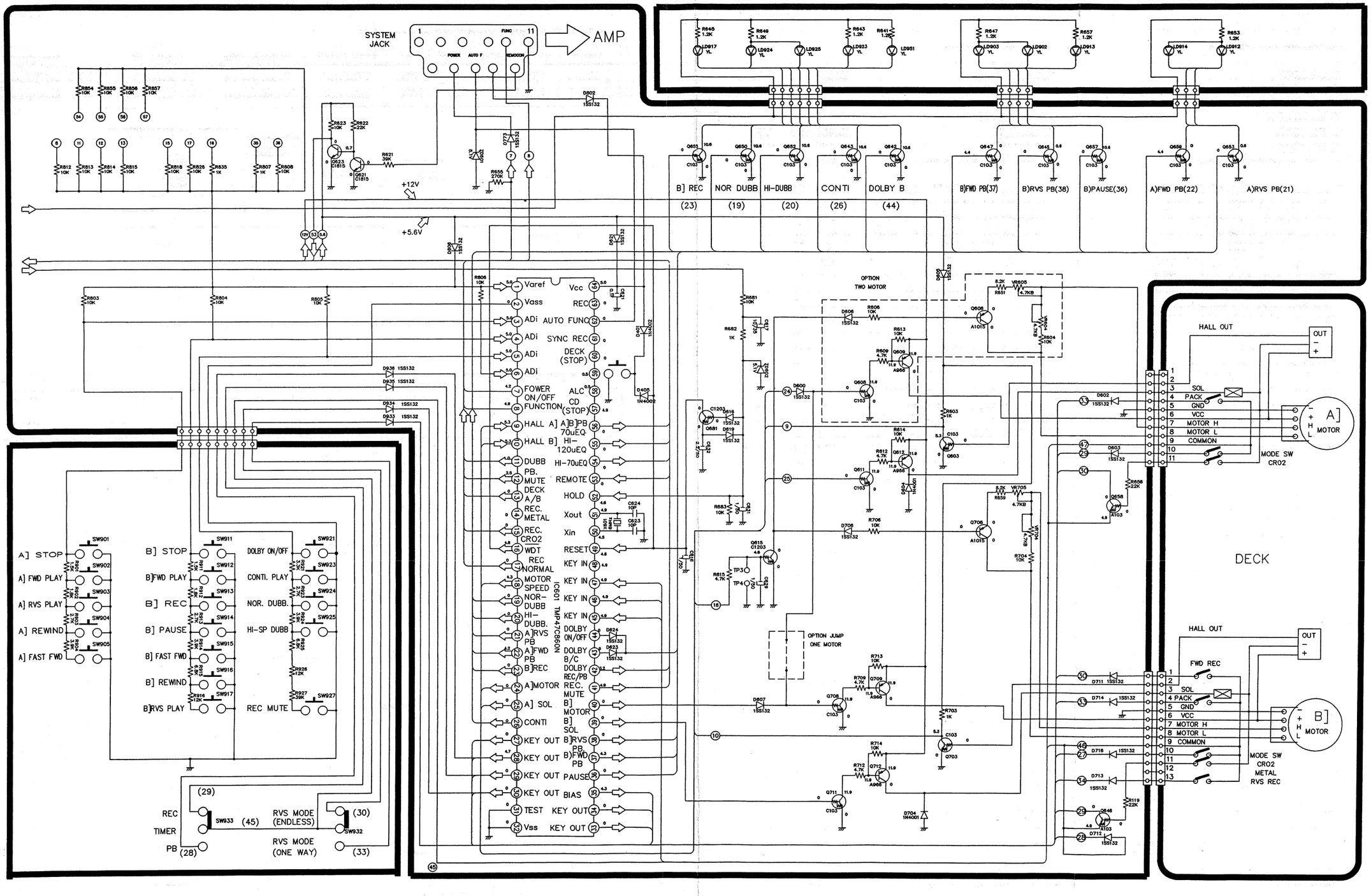
IC 402 HA12136A (Dolby-B)



IC405, 406 GL7812 (Voltage Regulator)



Schaltbild Micom CC 3800
Schematic diagram micom CC 3800



Ersatzteilliste elektrisch CC 3800
Spare parts list electrical CC 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 18	Platine kpl. CC 3800 RS	Main PCB assembly		G 6
12 870 56	IC LA 3246	IC LA 3246	IC 401	B 2
12 924 19	IC LA 12136 A	IC LA 12136 A	IC 402	C 4
12 924 71	IC CXA 1298 AP	IC CXA 1298 AP	IC 403	C 5
00 575 78	IC BA 3126 N	IC BA 3216 N	IC 404	A 7
00 656 04	IC GL 7812	IC GL 7812	IC 405,406	A 9
12 924 67	IC KE 7805	IC KE 7805	IC 407	B 7
12 891 33	IC TMP 47C860N-H164CZ	IC TMP 47C860N-H164CZ	IC 601	E 1
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 205-401	A 4
00 655 64	Transistor KTA 1266 (KTA 1015)	Transistor KTA 1266 (KTA 1015)	Q 402	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 403,405	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 404,407	A 3
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 406,477	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 408-414	A 4
00 573 25	Transistor KTC 3205 (KTC 2236 A)	Transistor KTC 3205 (KTC 2236 A)	Q 415-417	A 6
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 418,419	A 4
00 573 21	Transistor KRA 103 M (KRA 2203)	Transistor KRA 103 M (KRA 2203)	Q 420,807	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 421,454	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 422-426	A 4
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 427,456	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 451-608	A 4
00 655 64	Transistor KTA 1266 (KTA 1015)	Transistor KTA 1266 (KTA 1015)	Q 606,706	A 3
00 573 23	Transistor KTA 1273 (KTA 966 A)	Transistor KTA 1273 (KTA 966 A)	Q 609,612	A 6
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 611,615	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 621,623	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 642-708	A 4
00 573 23	Transistor KTA 1273 (KTA 966 A)	Transistor KTA 1273 (KTA 966 A)	Q 709-801	A 6
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 711,806	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198 (KTC 1815)	Q 802,803	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M (KRC 1203)	Q 808	A 4
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 222	A 0
00 653 87	Diode 1 SR 35-200A	Diode 1 SR 35-200A	D 401,405	A 3
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 403-603	A 0
00 653 87	Diode 1 SR 35-200A	Diode 1 SR 35-200A	D 604,704	A 3
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 605-936	A 0
00 406 79	Zenerdiode MTZ 6,2 V	Diode zener MTZ 6.2 V	ZD 137	A 1
00 482 78	Zenerdiode MTZ 5,1 V	Diode zener MTZ 5.1 V	ZD 601,602	A 1
12 924 20	LED SLV 31VC - rot	LED SLV 31VC - red	LD 902-951	A 3
12 890 26	Brückengleichrichter PB 151 M	Diode bridge PB 151 M	BD 701	A 5
12 867 84	Spule 33 mH	Inductor 33 mH	L 401,451	A 4
12 834 32	Spule Falle FM 19 kHz R-9124X	Coil trap FM 19 kHz	L 402,452	A 3
12 891 37	Spule Oszillator 3 mH	Coil oscillator 3 mH	L 403	B 0
12 924 21	Spule Falle FM R-8669A	Coil trap FM R-8669A	L 405,455	B 2
12 890 46	Keramikfilter CSA 6 MGU	Filter ceramic CSA 6 MGU	X 601	A 4
12 924 22	Elko gold FM0H104ZTP	Capacitor gold FM0H104ZTP	C 621	B 6
00 296 22	Trimmpoti 22 kOhm	SFR 22 kOhm	VR 402,452	A 3
00 663 14	Trimmpoti 10 kOhm	SFR 10 kOhm	VR 403,406	A 3
00 346 95	Trimmpoti 200 kOhm	SFR 200 kOhm	VR 404,454	A 2
00 663 14	Trimmpoti 10 kOhm	SFR 10 kOhm	VR 463,466	A 3
00 608 34	Trimmpoti 4,7 kOhm	SFR 4.7 kOhm	VR 604-705	A 7
00 185 77	Sicherungswiderstand 2R2/0,25 Watt	Resistor fusible 2R2/0.25 Watt	R 684	A 2
12 923 73	Schalter SPPH121AP013 - Netz	Switch push power	SW 701	B 1
00 702 76	Taster Reset	Swtich special JTP-1236A	SW 801	A 3
12 924 23	Taster EVQ PJH 04K	Tact switch EVQ PJH 04K	SW 901-927	A 3
12 891 42	Schiebeschalter SSSJ823GA013 3-fach	Switch slide SSSJ823GA013	SW 932-933	A 7
12 867 07	Anschlussbuchse Chinch 4-polig	Jack RCA 4P	576-002A	A 7
12 894 85	Anschlussbuchse 11-polig	Connector wafer CFG1111-0101		A 8
12 891 41	Netztrafo CC 3800 RS	Trans power	PT 1	E 3
00 235 34	IEC Sicherung T200 mA/250 V	Fuse T200 mA/250 V	F 501	A 3

Abgleichanweisung CC 3800
Adjustment procedure CC 3800

1. Azimuth Abgleich/Azimuth adjustment

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Deck Ⅰ	Playback	MTT-114N	Line out	Head screw	R/L Maximum	FWD: Left hand side
Deck Ⅱ	Playback	MTT-114N	Line out	Head screw	R/L Maximum	RVS: Right hand side

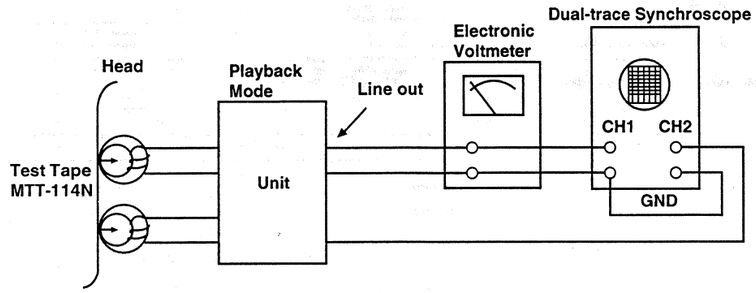


Figure 2. Azimuth Adjustment Connection Diagram

2. Motorgeschwindigkeit Abgleich/Motor speed adjustment

MTT –111 ≙ 3000 Hz

Item	Deck	Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
High Speed	Deck Ⅰ	Playback	MTT-111	Line out	VR604	5.4kHz±108Mz	Shortcircuit both ends of TP2.
	Deck Ⅱ	Playback	MTT-111	Line out	VR704	5.4kHz±108Mz	
Normal Speed	Deck Ⅰ	Playback	MTT-111	Line out	VR605	3kHz±60Hz	Opencircuit the both ends of TP2.
	Deck Ⅱ	Playback	MTT-111	Line out	VR705	3kHz±60Hz	

NOTE: Perform the high speed adjustment first and then the normal speed adjustment.

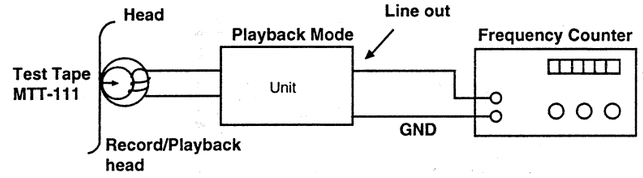


Figure 3. Motor Speed Adjustment Connection Diagram

3. Pegel Wiedergabe Abgleich/Playback level adjustment

MTT –150 ≙ 400 Hz Dolby

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Tape Output	Adjust for	Remark
Deck Ⅰ	Playback	MTT-150	Line out	VR403 L, VR463 R	500mV	±1dB	Dolby OFF
Deck Ⅱ	Playback	MTT-150	Line out	VR406 L, VR466 R	500mV	±1dB	

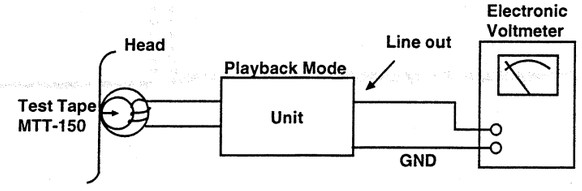


Figure 4. Playback Level Adjustment Connection Diagram

4. Oszillatorfrequenz Abgleich/OSC frequency adjustment

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Deck Ⅱ	Rec/Pause	MTT-5511	Both ends of erase head	L403	105KHz±3kHz	Deck Ⅰ: Stop

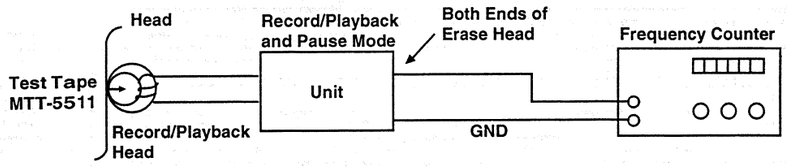


Figure 5. OSC Frequency Adjustment Connection Diagram

5. Falle BIAS Abgleich/BIAS trap adjustment

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Adjust for	Remark
Deck Ⅱ	Rec/Pause	MTT-5511	R150 R250	L402 L452	Minimum	Deck Ⅰ: Stop

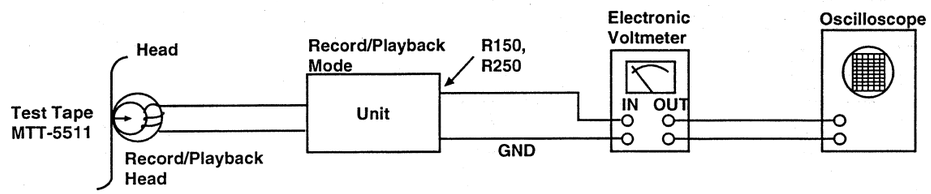


Figure 6. Bias trap Adjustment Connection Diagram

6. Regel Aufnahme Abgleich/Record level adjustment

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Output	Adjust for	Remark
Deck Ⅰ	STOP	—	Line out	VR402 VR452	500mV (at PB)	500mV±1dB	● Dolby OFF ● Normal Speed
Deck Ⅱ	R/P→PB	MTT-5511 MTT-5561					

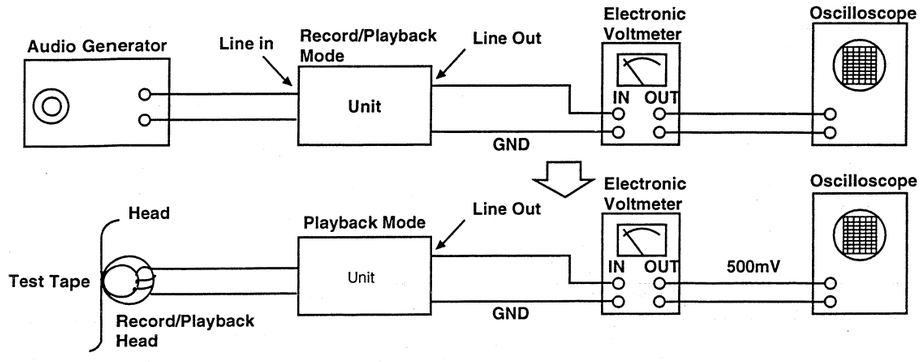


Figure 7 Record/Playback Calibration Adjustment Connection Diagram

7. BIAS Abgleich/BIAS adjustment

Deck	Deck Mode	Test Tape	Test Point	Adjustment	Adjust for
Deck Ⅰ	Stop	—	Line out	VR404 VR454	1kHz~12.5kHz Response: Flat
Deck Ⅱ	R/P→PB	MTT-5511 MTT-5561			

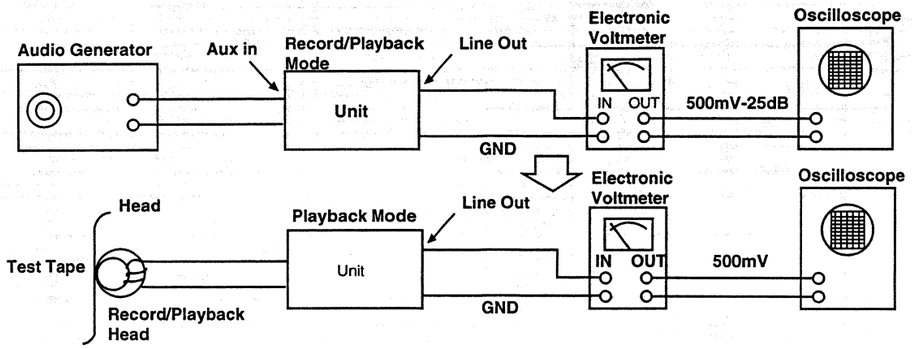


Figure 8 Record level Adjustment Connection Diagram

HINWEIS:
Abgleich bei normaler Geschwindigkeit prüfen. Aufnahme/Wiedergabe Frequenzgang bei High-Speed, Schritte 6 und 7 nochmals wiederholen.

NOTE:
Adjust under normal speed, confirm record/playback response of high speed, repeat steps 6 and 7 several times at the same time.

Abgleichpunkte/Adjustment location

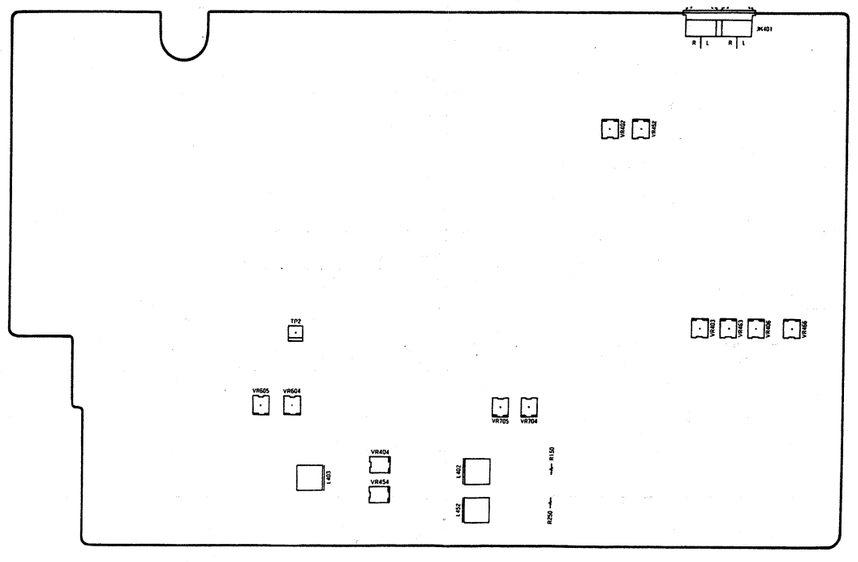
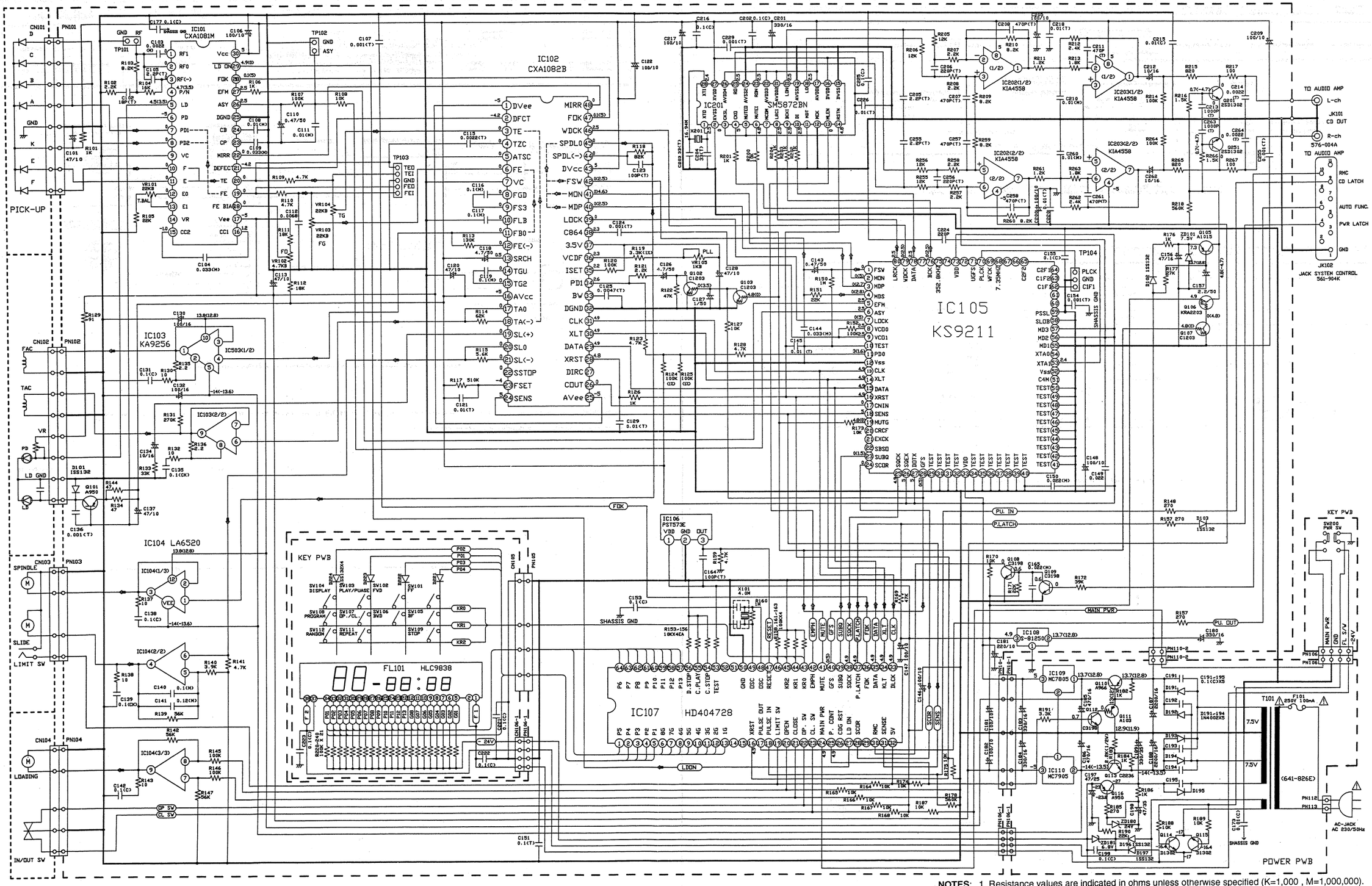


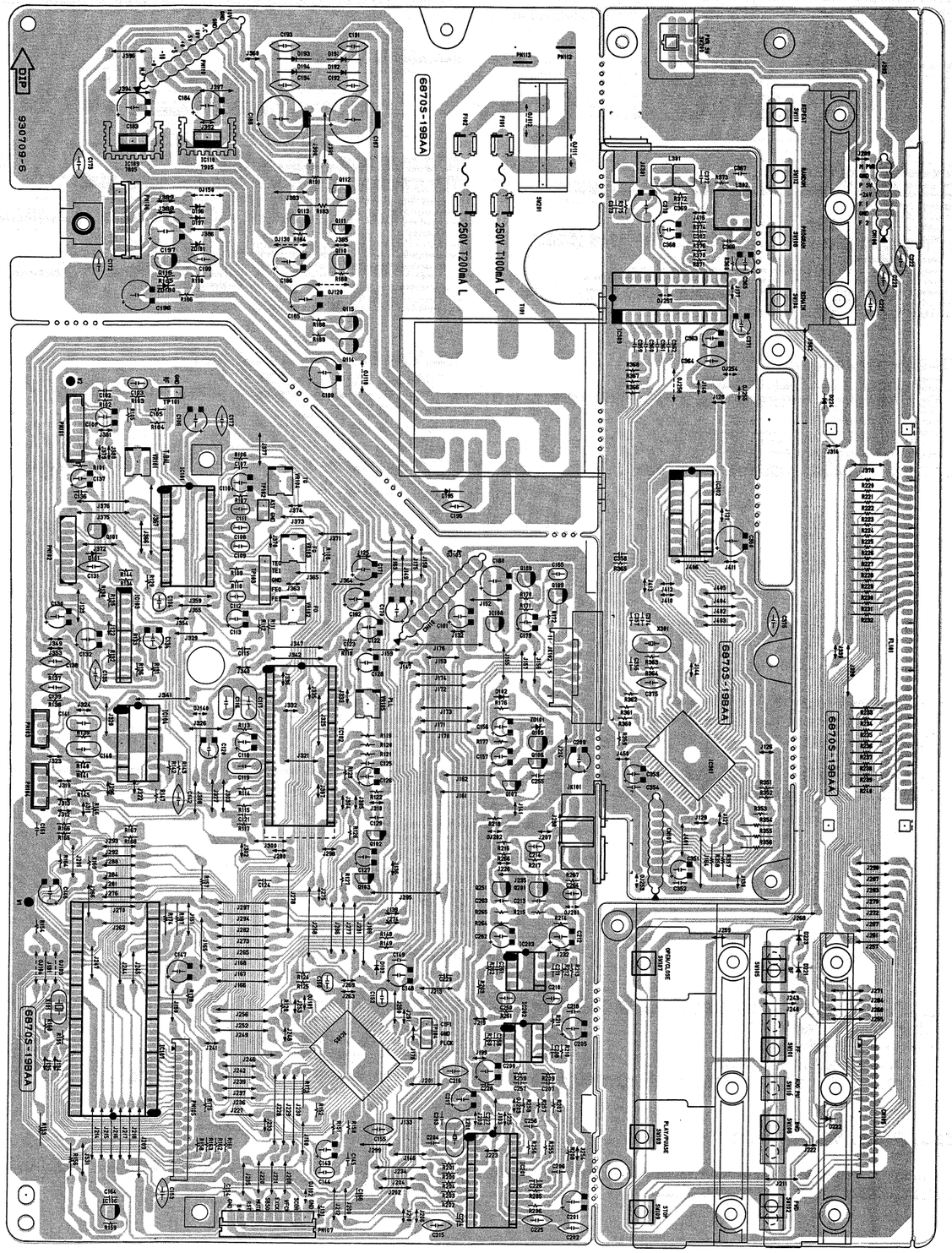
Figure 1. Main P.C.Board View

Schaltbild CD 3800
Schematic diagram CD 3800



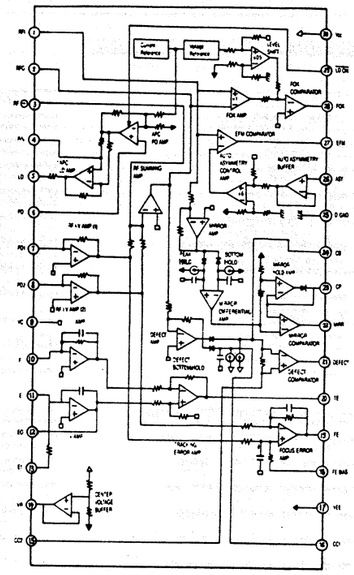
NOTES: 1. Resistance values are indicated in ohms unless otherwise specified (K=1,000 , M=1,000,000).
2. Capacitance values are shown in microfarads unless otherwise (P=MICRO-MICRO FARADS).

Platinendarstellungen CD 3800
P.C.B. diagrams CD 3800

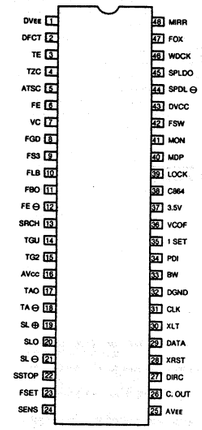


IC Blockschaltbilder CD 3800
IC block diagrams CD 3800

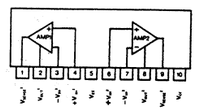
• **CXA1081S**



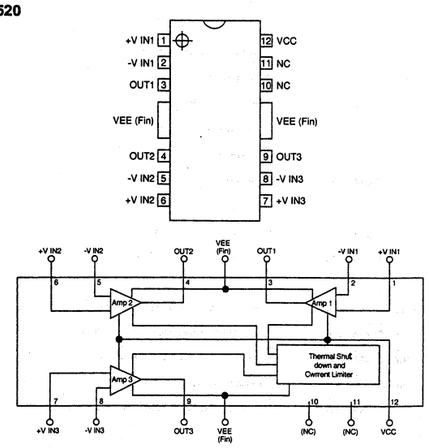
• **CXA1082BS**



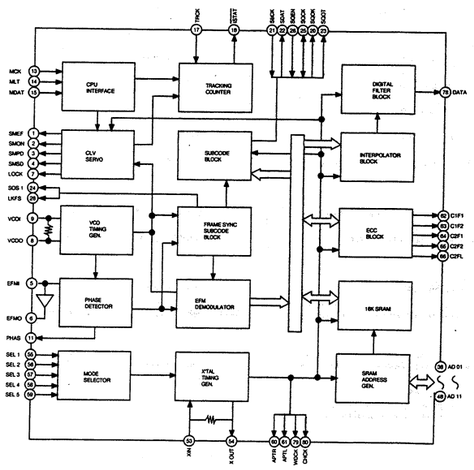
• **KA9256**



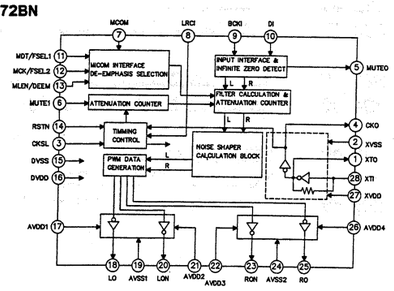
• **LA6520**



• **KS9211**



• **SM5872BN**



Ersatzteilliste elektrisch CD 3800
Spare parts list electrical CD 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 923 83	Grund-/Netzteil-/Bedienteilplatine	Main-/power-/displ. PCB ass'y		G 6
00 467 47	IC CXA 1081 S	IC CXA 1081 S	IC 101	B 4
00 487 91	IC CXA 1082 BS	IC CXA 1082 BS	IC 102	C 8
12 891 46	IC KA 9256	IC KA 9256	IC 103	B 2
12 892 27	IC LA 6520	IC LA 6520	IC 104	B 9
00 584 73	IC KS 9211 B	IC KS 9211 B	IC 105	C 7
12 923 84	IC PST 573 E-2	IC PST 572 E-2	IC 106	B 2
12 923 85	IC HD 404728 A 79S	IC HD 404728 A 79S	IC 107	E 0
12 923 86	IC S 81250 HG	IC S 81250 HG	IC 108	B 2
12 842 90	IC GL 7805	IC GL 7805	IC 109	A 2
12 923 87	IC KA 7905	IC KA 7905	IC 110	B 0
12 923 88	IC SM 5872 BN	IC SM 5872 BN	IC 201	E 2
12 923 89	IC KIA 4558 P	IC KIA 4558 P	IC 202,203	B 0
00 585 23	Transistor KTA 1271 TP (KTA 950)	Transistor KTA 1271 TP	Q 101	A 3
00 573 24	Transistor KRC 103 M (KRC 1203)	Transistor KRC 103 M	Q 102,103	A 4
00 655 64	Transistor KTA 1266 (KTA 1015)	Transistor KTA 1266	Q 105	A 3
00 573 21	Transistor KRA 103 M (KRA 2203)	Transistor KRA 103 M	Q 106,107	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198	Q 108,109	A 3
00 573 23	Transistor KTA 1273 (KTA 966 A)	Transistor KTA 1273	Q 110	A 6
00 573 21	Transistor KRA 103 M (KRA 2203)	Transistor KRA 103 M	Q 111	A 4
00 655 65	Transistor KTC 3198 (KTC 1815)	Transistor KTC 3198	Q 112	A 3
00 573 25	Transistor KTC 3205 (KTC 2236 A)	Transistor KTC 3205	Q 113	A 6
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 114,115	A 3
00 585 23	Transistor KTA 1271 TP (KTA 950)	Transistor KTA 1271 TP	Q 116	A 3
00 584 48	Transistor KTD 1302	Transistor KTD 1302	Q 201,251	A 3
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 101-103	A 0
00 112 39	Diode 1 N 4002	Diode 1 N 4002	D 191-195	A 2
12 833 27	Diode 1 SS 132	Diode 1 SS 132	D 196-224	A 0
00 377 57	Zenerdiode MTZ 7,5 V	Diode zener MTZ 7.5 V	ZD 101	A 2
00 060 41	Zenerdiode MTZ 24 V	Diode zener MTZ 24 V	ZD 180	A 2
00 349 89	Zenerdiode MTZ 6,8 V	Diode zener MTZ 6.8 V	ZD 181	A 2
00 668 86	Keramikschwingkreis CST 4 MHz	Ceramic resonator CST 4 MHz	X 101	A 6
12 891 50	Quarz 16,9344 MHz	Crystal 16.9344 MHz	X 201	B 5
00 296 22	Trimmpoti 22 kOhm	SFR 22 kOhm	VR 101	A 3
00 608 34	Trimmpoti 4,7 kOhm	SFR 4.7 kOhm	VR 102	A 7
00 296 22	Trimmpoti 22 kOhm	SFR 22 kOhm	VR 103,104	A 3
00 296 23	Trimmpoti 1 kOhm	SFR 1 kOhm	VR 105	A 3
00 068 50	Sicherungswiderstand 2k2 / 0,5 Watt	Resistor 2k2 / 0.5 Watt	R 183	A 0
12 912 40	Taster EVQ 114	Tact switch EVQ 114	SW 101-112	A 1
12 923 73	Schalter SPPH121AP013 - Netz	Switch push power	SW 200	B 1
12 891 48	Anschlussbuchse Chinch 2-polig	Jack RCA 2P	JK 101	A 2
12 894 85	Anschlussbuchse 11-polig	Connector wafer CFG1111-0101	JK 102	A 8
12 923 90	LCD Display CD	Display CD 8BT-148GK	FL 101	E 4
12 923 91	Netztrafo CD 3800 RS	Trans power	T 101	D 3
00 065 56	IEC Sicherung T100 mA/250 V	Fuse T100 mA/250 V	F 101	A 2

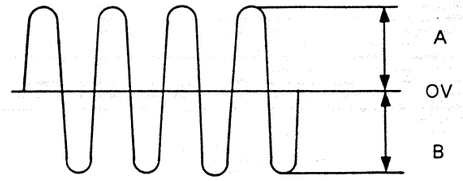
Abgleichanweisung CD 3800

Bitte stellen Sie die Trimmpotis VR101, 102, 103, 104 und 105 vor dem Abgleich auf Mittelstellung.

Benötigte Meßgeräte:
- Frequenzzähler
- Oszilloskop
- Test CD Philips 5A

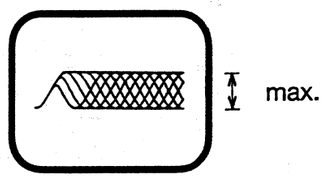
Frequenzabgleich
(Dieser Abgleich kann ohne CD-Platte durchgeführt werden.)
1. Gerät einschalten (Stop).
2. Frequenzzähler an TP104 (PLCK) and TP104 (GND) anschließen.
3. TP102 (ASY) mit TP102 (GND) kurzschließen.
4. Mit VR105 auf 4,50 MHz ±10 kHz abgleichen.
5. Kurzschlußbrücke entfernen.

TE-Balance-Abgleich
1. CD einlegen und Play drücken.
2. Oszilloskop an TP103 (Pin 5-TEO) und TP103 (Pin 3-GND) anschließen.
3. VR104 auf Linksanschlag stellen.
4. Mit VR101 abgleichen (A=B).
5. VR104 wieder auf Mittelstellung stellen.



A = B

EF-Balance-Abgleich
1. CD-Platte einlegen und Play-Taste drücken.
2. Oszilloskop an TP101 (RF) und TP101 (GND) anschließen.
3. HF-Signal mit VR102 auf Maximum abgleichen **(ca 1,3-1,4 Vss mit Test CD Philips 5A).**



4. Oszilloskop an TP103 (Pin 2-FEO) und TP103 (Pin 3-GND) anschließen.
5. Prüfen, ob Oszilloskop:
   - weniger als 200 mV - o.k.
   - mehr als 200 mV - VR102 erneut abgleichen

Spur-Servo-Verstärkung

Dieser Abgleich muß nicht durchgeführt werden, da er bereits vom Werk aus eingestellt ist.

Adjustment procedure CD 3800

Before adjusting, preset adjustment potentiometers VR101, 102, 103, 104 and 105 center.

Instruments required:
- Frequency counter
- Oscilloscope
- Test CD Philips 5A

VCO frequency adjustment
(This adjustment does not need a compact disk.)
1. Set the unit power ON, STOP mode.
2. Connect frequency counter to TP104 (PLCK) and TP104 (GND).
3. Shortcircuit TP102 (ASY) and TP102 (GND).
4. Adjust VR105 so that the value of the frequency counter comes within 4.50 MHz ±10kHz.
5. Disconnect short circuit.

Tracking-Balance-Adjustment
1. Load a disk and play back.
2. Connect the oscilloscope to TP103 (Pin 5-TEO) and TP103 (pin 3-GND).
3. Minimize volume VR104.
4. Adjust VR101 so that the oscilloscope (A=B).
5. Preset adjustment potentiometer VR104 center again.

EF-Balance adjustment
1. Load a disk and play back.
2. Connect an oscilloscope to TP101 (RF) and TP101 (GND).
3. Adjust VR102 so that the RF-Signal becomes maximum **(about 1.3 -1.4 Vpp with test disk Philips 5A).**

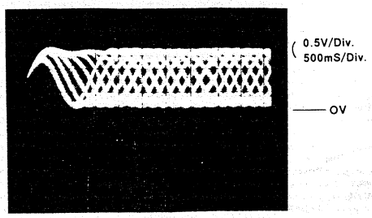
4. Connect oscilloscope to TP103 (Pin 2-FEO) and TP103 (Pin 3-GND).
5. Confirm oscilloscope reading:
   - less than 200 mV - o.k.
   - more than 200 mV - readjust VR102

Tracking-Gain-Adjustment

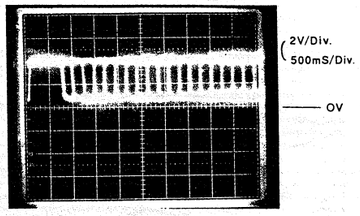
This adjustment is not necessary, it is already done by the manufacturer.

Oszillogramme CD 3800
Wareforms CD 3800

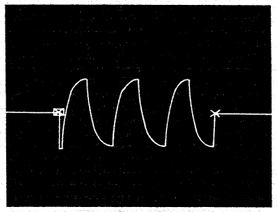
1. HF signal (RF signal) waveform
(test point TP101) during normal play



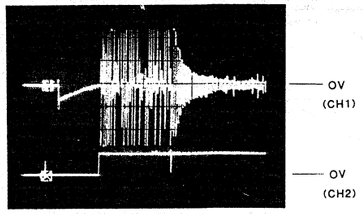
2. EFM signal (pin NO. ㉗ of IC101
waveform during normal play



3. Focus coil drive waveform (pin NO. ① of IC103)
- When focus search failed or there is no disc on the tray

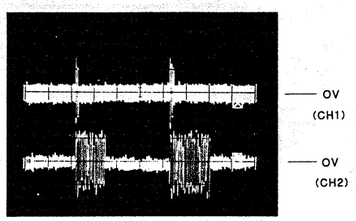


- Focus coil drive waveform (pin NO. ③ of IC103) and FOK (pin NO. ㉘ of IC101) when focus search is accomplished



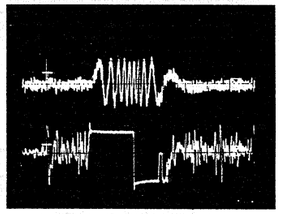
CH1: FOCUS COIL DRIVE SIGNAL
2V/Div.
CH2: FOK

4. Tracking coil drive waveform (pin NO. ⑨ of IC103) and TEO during track traverse
(1) When time division is 20mS/div.



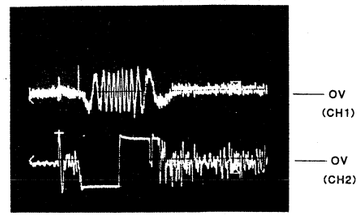
CH1 : TEO
1V/Div.
CH2 : TRACKING COIL DRIVE SIGNAL
2V/Div.

(2) When time division is 0.5mS/div.
(During forward track traverse)



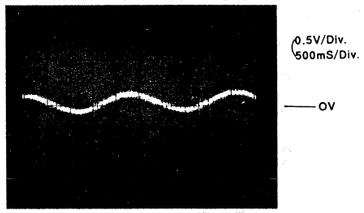
CH1 : TEO
1V/Div.
CH2 : TRACKING COIL DRIVE SIGNAL
2V/Div.

(3) When time division is 0.5mS/div.
(During backward track traverse)

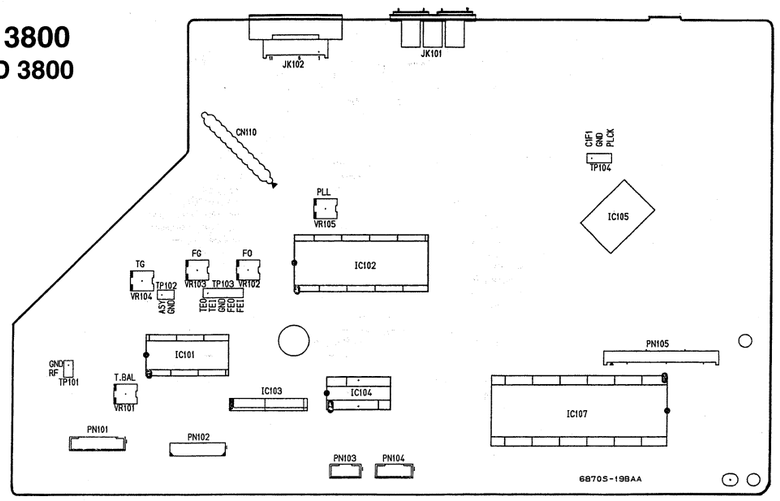


CH1 : TEO
1V/Div.
CH2 : TRACKING COIL DRIVE SIGNAL
2V/Div.

5. Feed motor drive waveform (pin NO.
④ of IC104) During normal play

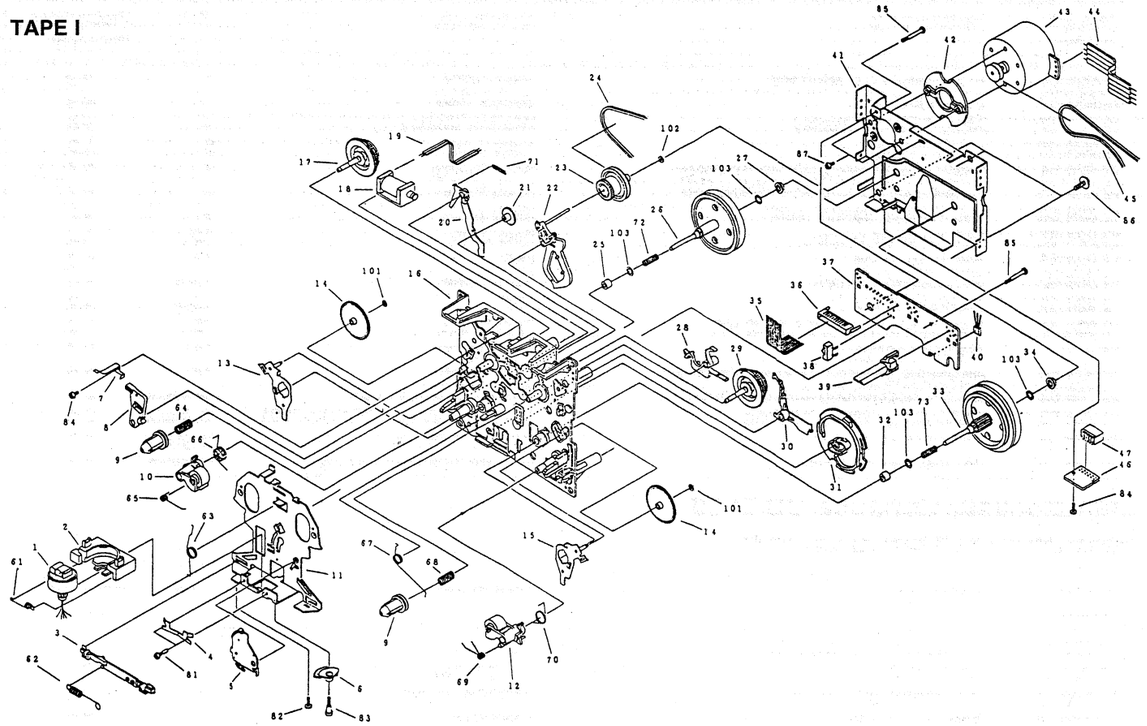


Abgleichpunkte CD 3800
Adjustment location CD 3800

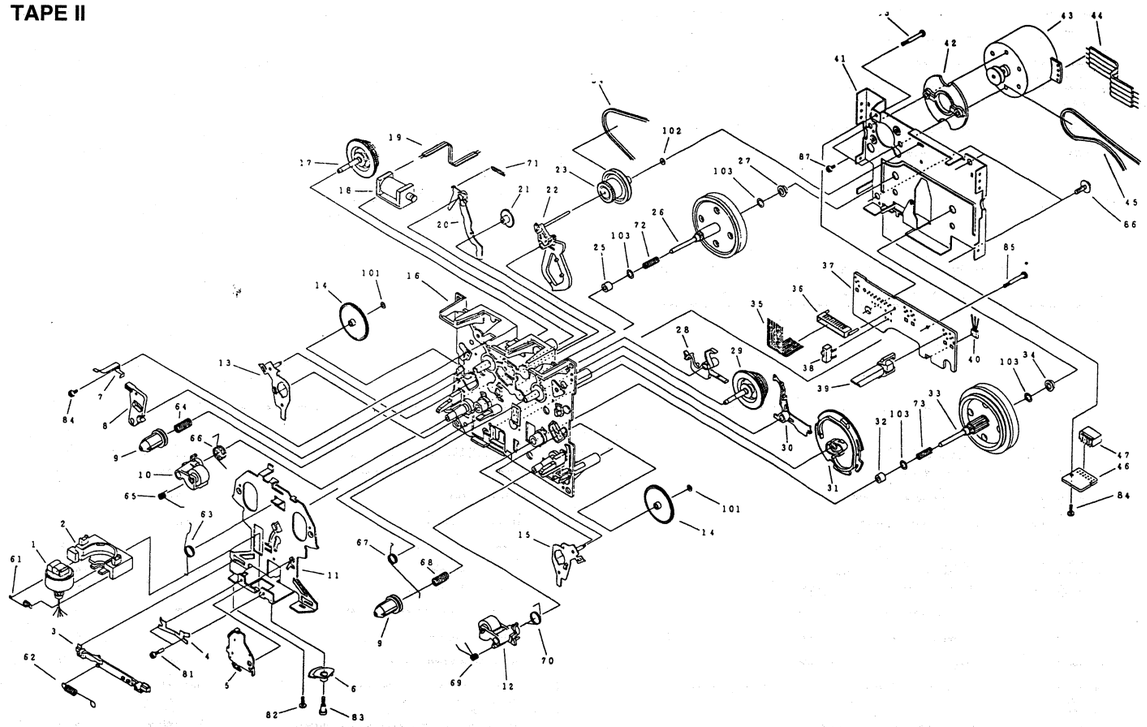


Explosionsdarstellung Cassettenmechanik CC 3800
Exploded view cassette mechanism CC 3800

TAPE I



TAPE II



Ersatzteilliste Gehäuse CT 3800
Spare parts list housing CT 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 51	Frontblende CT 3800 RS	Panel front	1	D 0
12 924 52	Emblem Dual	Badge Dual		B 3
12 923 77	Abdeckfenster Display	Window display	4	B 6
12 924 53	Knopf Power	Knob push	6	A 3
12 924 54	Tastenblock Tuning/St.Mo./Memory	Knob tuning	7	A 7
12 924 55	Tastenblock Clock/Timer/Set/Sleep	Knob timer	8	A 7
12 924 56	Tastenblock Band/Preset	Knob preset	9	A 7
12 924 57	Gehäusefuss vorne	Foot front	10	A 6
12 924 58	Filz Fuss vorne	Felt	11	A 2
12 866 92	Gehäusefuss hinten	Foot rubber	12-3	A 0
12 924 59	Filz Fuss hinten	Felt	12-4	A 2
12 924 60	Gehäuserückwand CT 3800 RS	Panel back	13	B 9
12 924 61	Gehäusedeckel	Cabinet top	14	D 7
12 924 62	Netzkabel Europa mit Zugentlastung	Cord power	15	B 6
00 709 52	Verbindungsleitung Chinch 2-polig	Connector ass'y coax	Beipack	B 3
12 924 63	Verbindungsleitung 11-polig	Connector ass'y CGF1311-0101	Beipack	C 8
00 133 30	FM Wurfantenne	FM help antenna	Beipack	A 4
12 894 73	AM Rahmenantenne	Coil ant loop MW w/o lug	Beipack	B 9

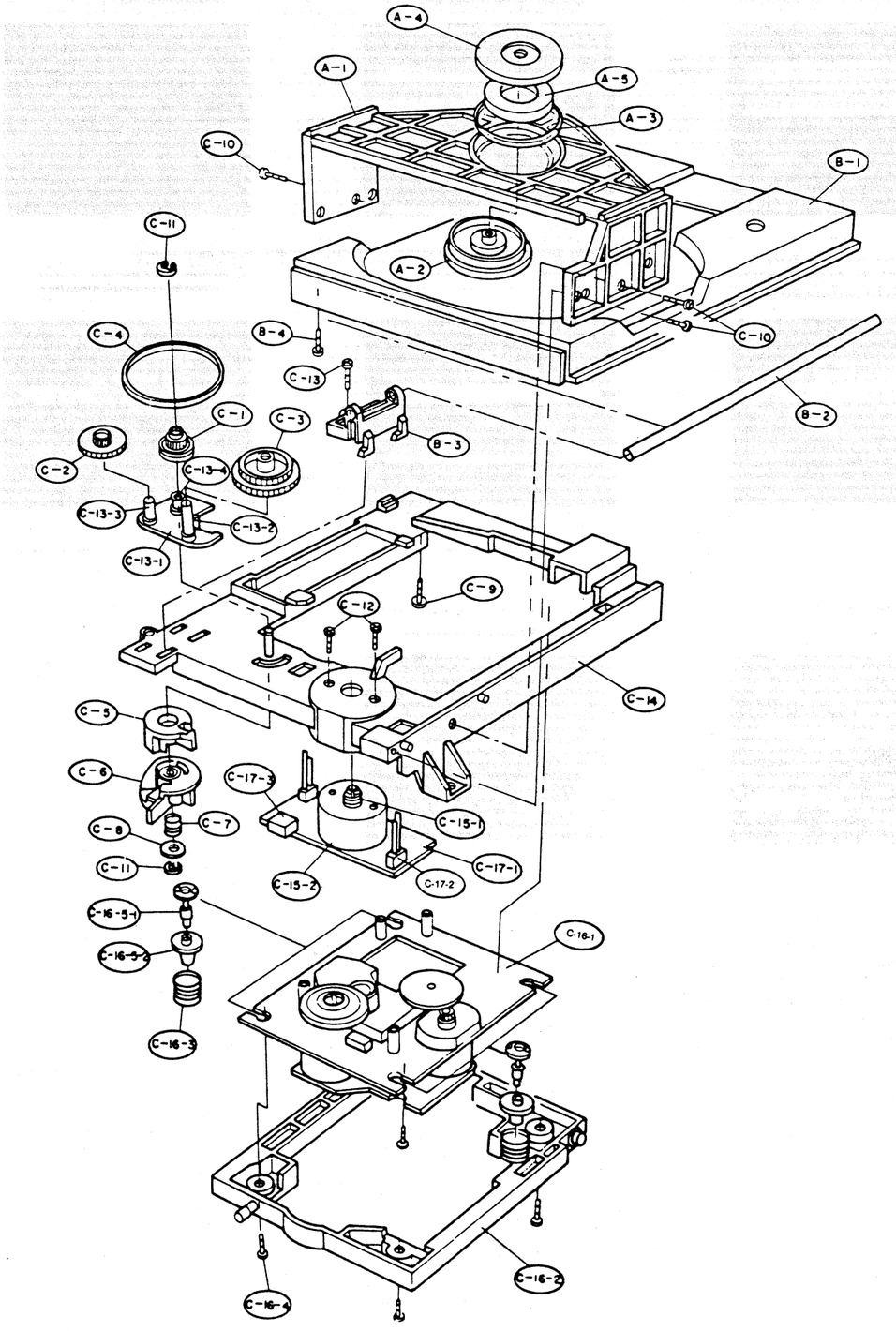
Ersatzteilliste Gehäuse CD 3800
Spare parts list housing CD 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 923 76	Frontblende CD 3800 RS	Panel front	1	D 1
12 924 52	Emblem Dual	Badge Dual		B 3
12 923 77	Abdeckfenster Display	Window display	4	B 6
12 923 78	Blende Schlitten	Door CD	6	B 0
12 924 53	Knopf Power	Knob push	7	A 3
12 923 79	Tastenblock Open/Play/Stop	Knob CD play	8	A 5
12 923 80	Tastenblock Search/Skip	Knob CD search, skip	9	A 5
12 923 81	Tastenblock Rep/Rand/Prog/Remain	Knob CD function	10	A 5
12 924 57	Gehäusefuss vorne	Foot front	11	A 6
12 924 58	Filz Fuss vorne	Felt	12	A 2
12 923 82	Gehäuserückwand CD 3800 RS	Panel back	15	C 0
12 924 61	Gehäusedeckel	Cabinet top	17	D 7
12 924 62	Netzkabel Europa mit Zugentlastung	Cord power	18	B 6
12 866 92	Gehäusefuss hinten	Foot rubber	22	A 0
12 924 59	Filz Fuss hinten	Felt	23	A 2
00 709 52	Verbindungsleitung Chinch 2-polig	Connector ass'y coax	Beipack	B 3
12 894 86	Verbindungsleitung 11-polig	Connector ass'y CGF1311-0101	Beipack	B 9

Ersatzteilliste CD-Mechanik CD 3800
Spare parts list CD mechanism CD 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 923 92	CD Mechanik kpl. CDM-X200	Mechanism assembly CDM-X200	19	F 7
12 923 93	Niederhalter kpl.	Supporter clamp assembly	A (A1-5)	B 7
12 923 94	Schlitten kpl.	Tray disc assembly	B (B1-4)	C 3
12 923 95	Zahnrad Pulley	Gear pulley	C-1	A 4
12 923 96	Zahnrad Mitte	Gear middle	C-2	A 4
12 923 97	Zahnrad laden	Gear loading	C-3	A 4
12 923 98	Riemen Zahnrad	Belt counter	C-4	A 5
12 923 99	Kurvenzahnrad oben	Cam assembly up	C-5	A 4
12 924 00	Kurvenzahnrad unten	Cam assembly down	C-6	A 4
12 924 01	Feder Kurvenzahnrad	Spring com	C-7	A 1
12 924 02	Motor kpl. mit Pulley	Motor assembly	C-15	C 6
12 924 03	Rafoc-Einheit kpl. mit Laser KSM-2101AAM	Mechanism assembly	C-16-1	F 3
12 924 04	Feder CD Dämpfung	Spring anti-vib.	C-16-3	A 1
12 924 05	CD Dämpfung kpl.	Supporter spring assembly	C-16-5	A 2
12 924 06	Mikroschalter MSW18030MVJ0	Micro switch	C-17-2	A 4

Explosionsdarstellung CD Mechanik CD 3800
Exploded view CD mechanism CD 3800



Ersatzteilliste Cassettenmechanik CC 3800
Spare parts list cassette mechanism CC 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 24	Cassettenmechanik Wiedergabe CRF 4129	Deck mechanism CRF 4129	G	F 3
12 924 25	Cassettenmechanik A/W CRF 4128	Deck mechanism CRF 4128	H	F 5
00 585 87	Wiedergabekopf kpl.	Assembly holder head	I 1	C 2
00 570 96	Halterung Kopfeinheit Autoreverse	Flame head	I+II 2	A 9
00 570 97	Blattfeder Azimuth	Spring azimuth	I+II 4	A 1
00 659 43	Sperre Eject	Eject lock	I+II 8	A 2
00 659 73	Wickelteller	Cap reel	I+II 9	A 2
00 570 98	Bandandruckrolle kpl. links	Assembly pinch arm L	I+II 10	B 0
00 659 44	Bandandruckrolle kpl.	Assembly pinch arm R	I+II 12	B 0
00 585 89	Zahnrad "Play"	Gear play	I+II 14	A 5
00 571 00	Zahnrad Wickelteller links	Assembly sub reel L	I+II 17	A 9
00 659 48	Zahnrad "Schneller Vorlauf"	Gear FF	I+II 21	A 3
00 659 49	Arm Rücklauf	Assembly arm FR	I+II 22	A 4
00 659 50	Rutschkupplung Rücklauf	Assembly pulley FR	I+II 23	A 9
00 659 51	Antriebsriemen "Schneller Rücklauf"	Belt FR	I+II 24	A 5
00 571 01	Schwungmasse kpl. links	Assembly flywheel L	I+II 26	D 2
00 659 52	Bremshebel	Arm brake	I+II 28	A 3
00 659 53	Zahnrad Wickelteller rechts	Assembly sub reel R	I+II 29	B 3
00 659 54	Hebel Kurvenzahnrad	Arm trigger	I+II 30	A 3
00 659 55	Kurvenzahnrad	Gear cam	I+II 31	A 4
00 571 02	Schwungmasse kpl. rechts	Assembly flywheel R	I+II 33	D 4
00 659 68	Kontaktplatine Cassette	P.C. board	I+II 37	B 2
00 659 69	Mikroschalter "Play"	Switch mode	I+II 38	A 9
00 659 70	Mikroschalter	Switch leaf	I+II 39	A 8
00 344 60	IC DN 6851 A Hall IC	Hall IC DN 6851A	I+II 40	B 0
00 571 08	Antriebsriemen	Belt main	I+II 45	B 0
00 571 03	Feder Kopfeinheit	Spring	I+II 61	A 2
00 585 97	Feder Umschalthebel	Spring	I+II 62	A 2
00 659 59	Feder Eject Sperre	Spring	I+II 63	A 2
00 659 60	Feder Wickelteller links	Spring	I+II 64	A 1
00 571 04	Feder BA-Rolle links	Spring	I+II 65	A 2
00 659 64	Feder BA-Rolle kpl. links	Spring	I+II 66	A 1
00 659 62	Feder	Spring	I+II 67	A 1
00 659 61	Feder Wickelteller rechts	Spring	I+II 68	A 1
00 659 63	Feder BA-Rolle rechts	Spring	I+II 69	A 1
00 570 93	Feder BA-Rolle kpl. rechts	Spring	I+II 70	A 1
00 659 66	Beilagscheibe Zahnrad "Play"	Washer	I+II 101	A 1
00 659 67	Beilagscheibe	Washer	I+II 102	A 0

Achtung:
Die Cassettenmechaniken sind nur komplett lieferbar (außer den oben angeführten Ersatzteilen).

Attention:
Cassette mechanisms are only as whole kit available (exept the above mentioned spare parts).

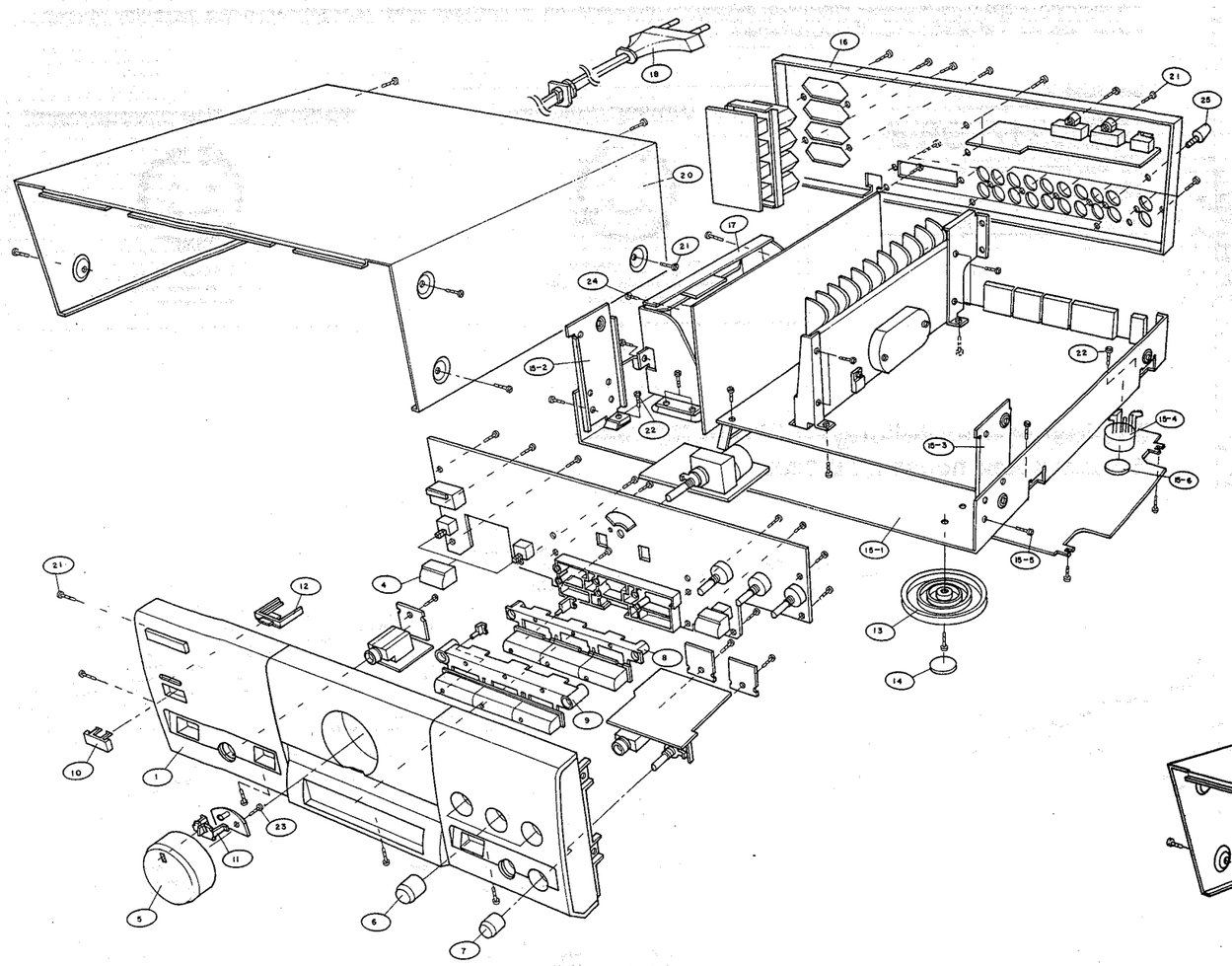
Ersatzteilliste Gehäuse CV 3800
Spare parts list housing CV 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 70	Frontblende CV 3800 RC	Panel front	1	D 3
12 924 52	Emblem Dual	Badge Dual		B 3
12 924 53	Knopf Power	Knob push	4	A 3
12 924 26	Drehknopf Volume	Knob volume	5	A 4
12 924 27	Drehknopf Balance/Bass/Treble	Knob tone	6	A 3
12 924 28	Drehknopf Mic Volume	Knob mic volume	7	A 3
12 924 29	Tastenblock Phono/Tuner/CDP	Knob assembly function-A	8	B 1
12 924 30	Tastenblock Tape/TV/AUX	Knob assembly function-B	9	B 1
12 924 31	Abdeckfenster IR-Empfänger	Lens remote	10	A 4
12 924 57	Gehäusefuss vorne	Foot front	13	A 6
12 924 58	Filz Fuss vorne	Felt	14	A 2
12 866 92	Gehäusefuss hinten	Foot rubber	15-4	A 0
12 924 59	Filz Fuss hinten	Felt	15-6	A 2
12 924 32	Gehäuserückwand CV 3800 RC	Panel back	16	C 3
12 924 62	Netzkabel Europa mit Zugentlastung	Cord power	18	B 6
12 874 71	Kurzschlußbrücke	Plug contact short ring	19	A 4
12 924 33	Gehäusedeckel CV 3800 RC	Cabinet top	20	D 8
12 924 34	RC 3800 Fernbedienungsgeber	Remote control handset	Beipack	E 2
00 416 50	Batterie Micro 1,5 V	Battery micro 1.5 V	Beipack 2x	A 1

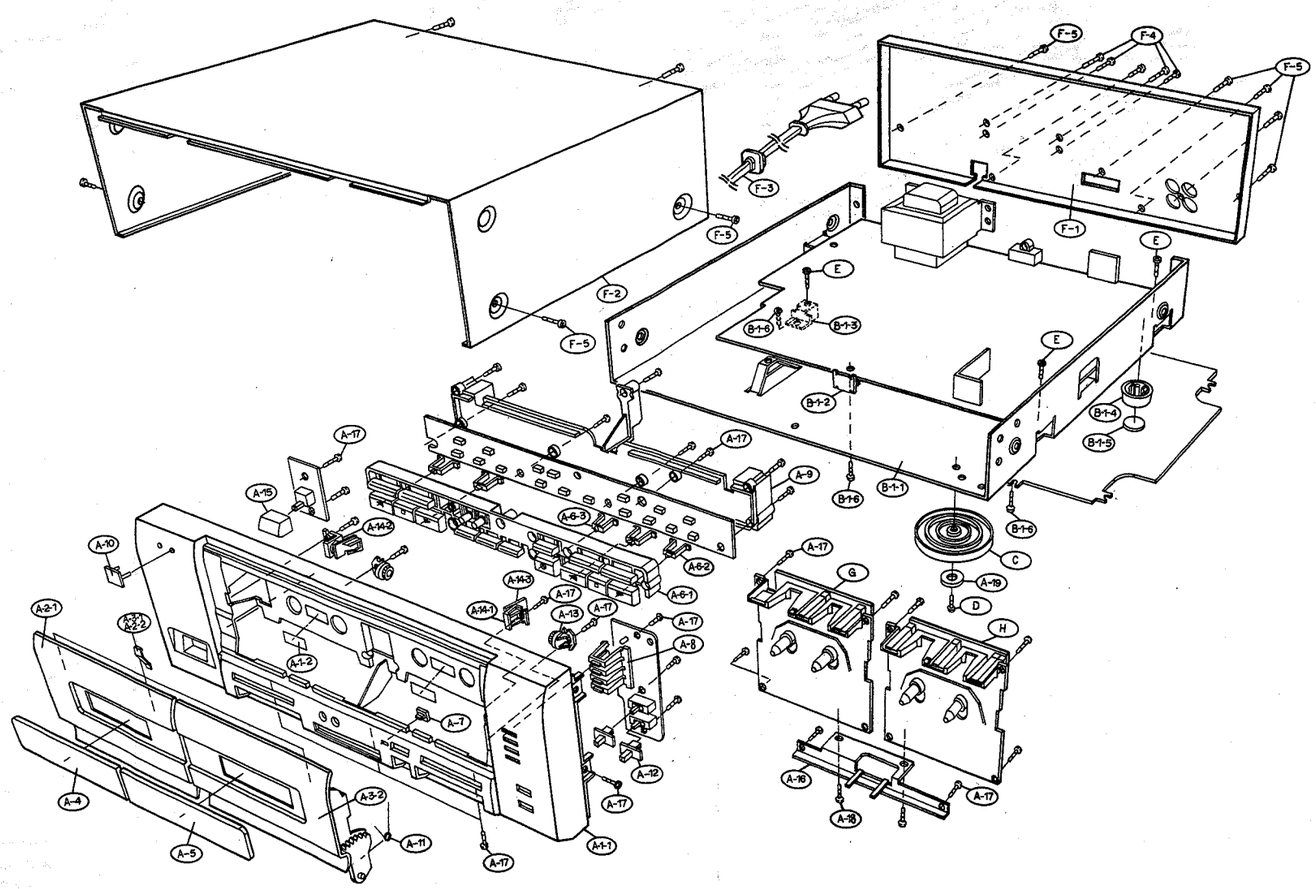
Ersatzteilliste Gehäuse CC 3800
Spare parts list housing CC 3800

Best.-Nr. Part No.	Bezeichnung	Description	Pos.	Preisgruppe Price-key
12 924 69	Frontblende CC 3800 RS	Panel sub assembly front	A-1	E 2
12 924 07	Cassettenfach I (links)	Door cassette-L sub assembly	A-2	C 2
12 924 08	Cassettenfach II (rechts)	Door cassette-R sub assembly	A-3	C 2
12 924 09	Fenster Cassettenfach I (links)	Window cassette-L	A-4	B 0
12 924 10	Fenster Cassettenfach II (rechts)	Window cassette-R	A-5	B 0
12 924 11	Tastenblock Bedienung Cassette kpl.	Knob sub assembly	A-6	C 8
12 924 52	Emblem Dual	Badge Dual	A-10	B 3
12 924 12	Feder Cassettenfach	Spring door	A-11	A 2
12 924 13	Knopf Schiebeschalter	Knob dolby	A-12	A 3
12 924 14	Dämpfer kpl. Cassettenfach	Damper assembly	A-13	A 5
12 924 15	Rasthebel Eject kpl.	Guide eject assembly	A-14	B 1
12 924 53	Knopf Power	Knob push	A-15	A 3
12 924 58	Filz Fuss vorne	Felt	A-19	A 2
12 866 92	Gehäusefuss hinten	Foot rubber	B-1-4	A 0
12 924 59	Filz Fuss hinten	Felt	B-1-5	A 2
12 924 57	Gehäusefuss vorne	Foot front	C	A 6
12 924 16	Gehäuserückwand CC 3800 RS	Panel back	F-1	C 3
12 924 17	Gehäusedeckel CC 3800 RS	Cabinet top	F-2	D 5
12 924 62	Netzkabel Europa mit Zugentlastung	Cord power	F-3	B 6
00 709 52	Verbindungsleitung Chinch 2-polig	Connector assembly coax	Beipack 2x	B 3
12 894 86	Verbindungsleitung 11-polig	Connector ass'y CGF1311-0101	Beipack	B 9

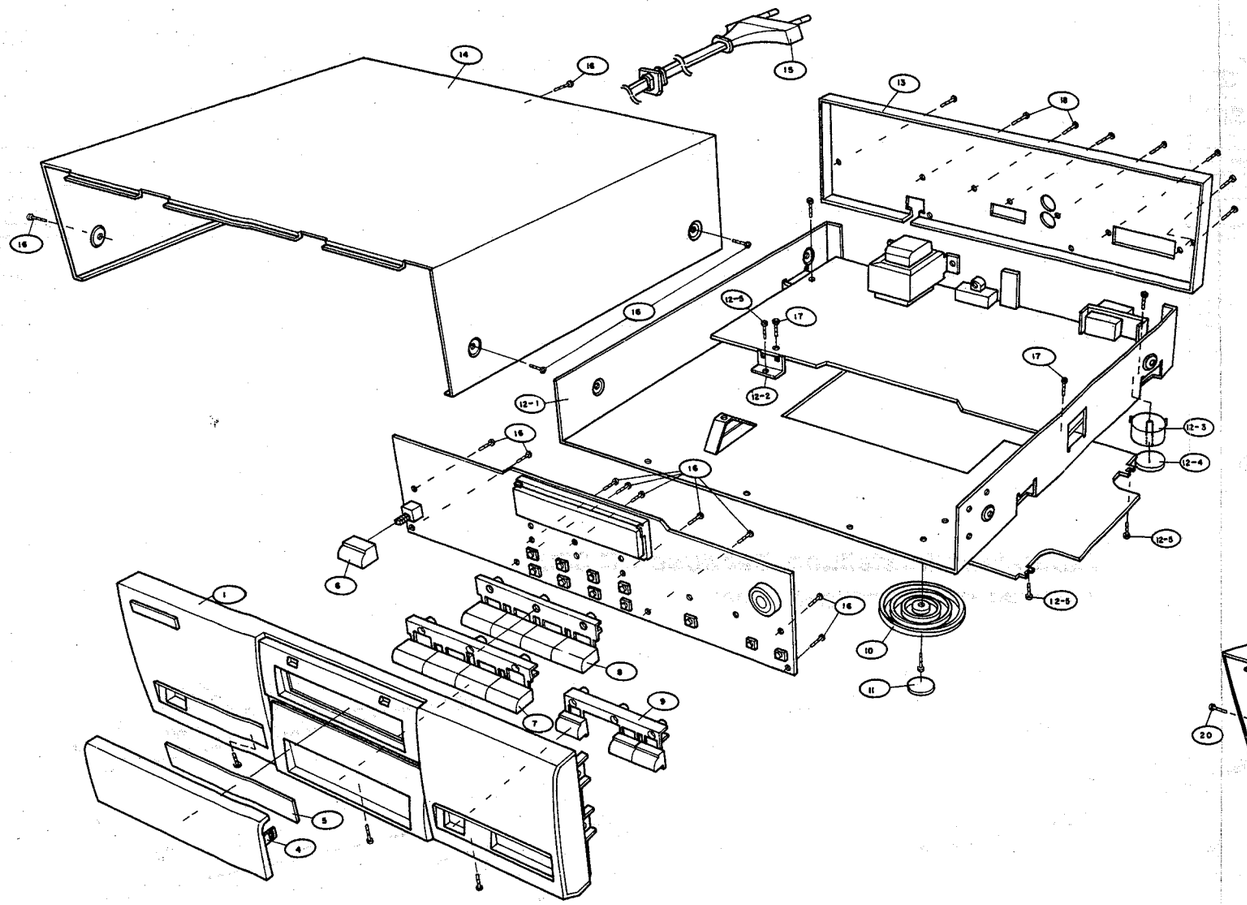
Explosionsdarstellung Gehäuse CV 3800
Exploded view housing CV 3800



Explosionsdarstellung Gehäuse CC 3800
Exploded view housing CC 3800



Explosionsdarstellung Gehäuse CT 3800
Exploded view housing CT 3800



Bitte bei Ersatzteilbestellung die genaue Bezeichnung und **Ident-Nr. (siehe Typenschild)** des Gerätes sowie Bestell-Nummer und Positions-Nummer des Ersatzteils angeben.

For ordering of spare parts please state exact description and **ident.-no. of unit (see silver rating label on the backside of unit)** as well as part no. and position no. of required spare parts.

Benutzen Sie:

Bildschirmtext *317298 #

oder

Telefax: 08245/5110 5

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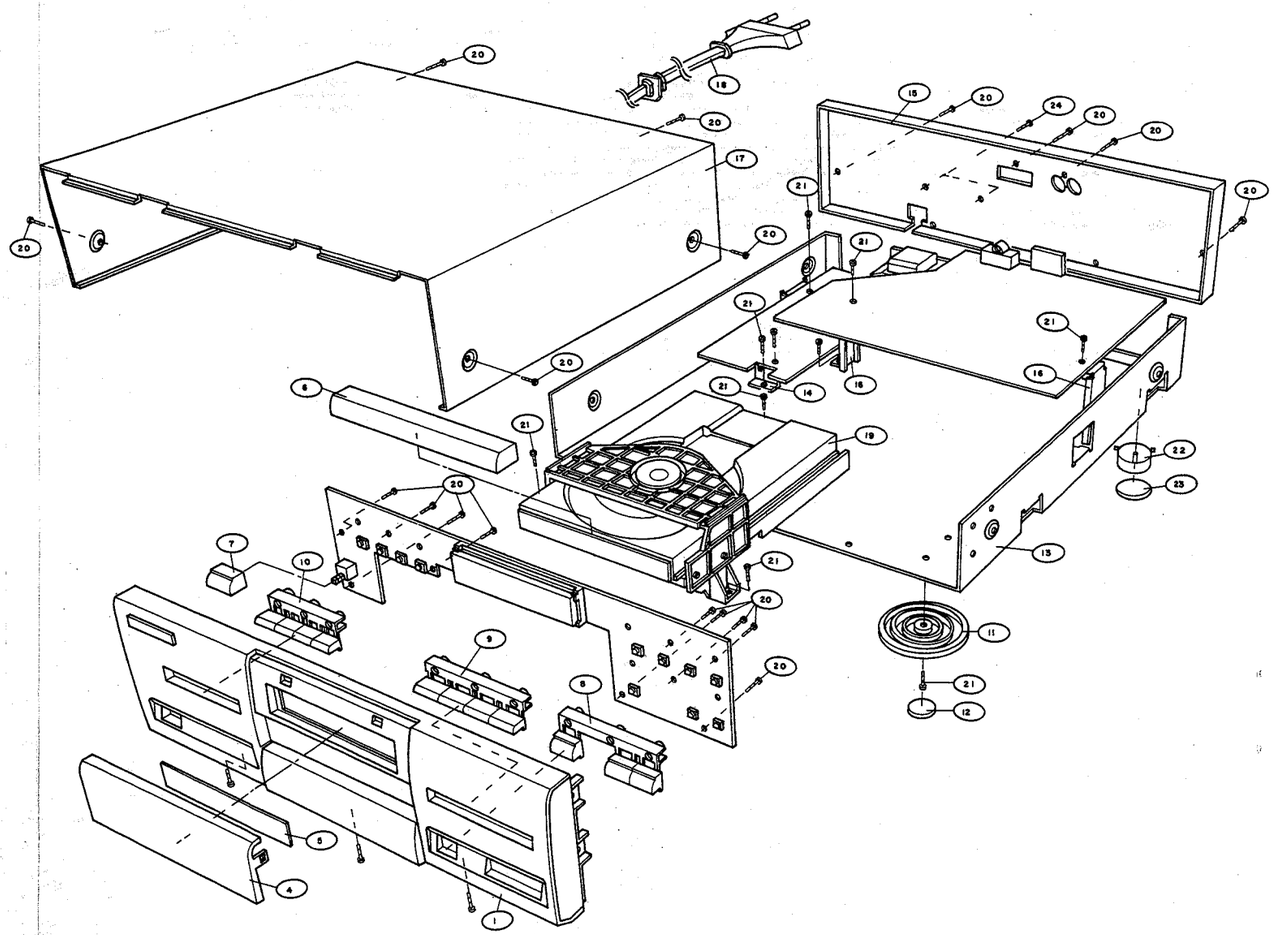
This service manual is printed on paper whitened without chlorine.

Explosionsdarstellung Gehäuse CD 3800
Exploded view housing CD 3800



Technische Änderungen vorbehalten.
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